

Xp3 Improves Lubricity and Reduces Maintenance Costs

Trial Dates: March 2014 – January 2015

Vehicle: 2009 Chevrolet Impala

Trial Starting and Ending Mileage: 34,556 – 47,351

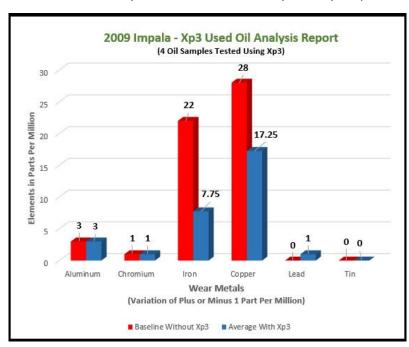
Fuel Type: Gasoline

Trial Summary:

To start the trial, the customer performed a "baseline" used oil analysis without using Xp3 to establish the current operating condition of the vehicle. Then, the customer began treating each tank of fuel with Xp3 following the recommended treatment ratio throughout the trial period. The customer changes oil about every 3,000 miles and continued to follow that maintenance schedule during this trial, which resulted in 4 additional used oil analysis being performed from March 2014 to January 2015.

In the graph below, you will see proof that Xp3 improves lubricity and significantly reduces "wear metals" in the oil. In the notes on the oil analysis (see page 6 of this document), you will also see the customer can now extend the oil change interval to every 5,000 miles, which extends the life of the oil up to 66% and reduces maintenance costs compared to changing oil every 3,000 miles.

This independent lab data, proves that using Xp3 increases lubricity and will extend the life of your engine, which keeps it running better, longer, and saves you money on expensive repairs.

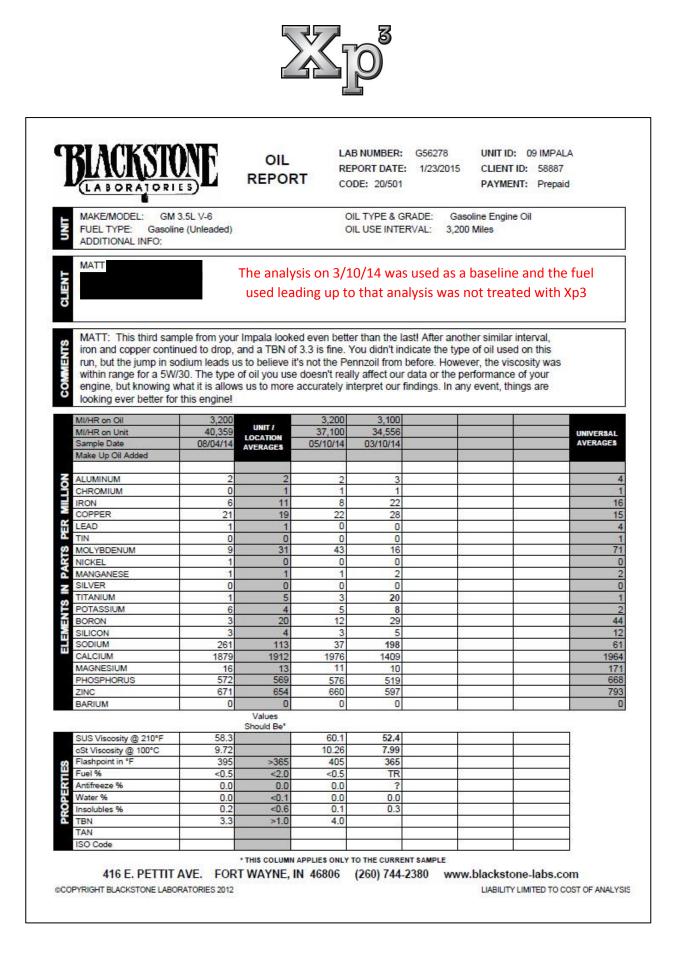


Remember, less metal in your oil means less money out of your pocketbook!

		OIL REPORT	LAB NUMBER: G56276 UNIT ID: 09 IMPALA REPORT DATE: 1/23/2015 CLIENT ID: 58887 CODE: 20/75 PAYMENT: Prepaid
	3.5L V-6 ne (Unleaded)		OIL TYPE & GRADE: Pennzoil Synthetic 5W/30 OIL USE INTERVAL: 3,100 Miles
MATT		-	on 3/10/14 was used as a baseline and the fuel og up to that analysis was not treated with Xp3
sampler and we were elevated levels of iror averages, which are t shorter, we wondered readings improve in f	able to see thin (from steel papased on about if there might uture samples.	is engine's progra ints) and copper t 5,500 miles on be a problem bre	d our eyebrows a bit, but luckily you are a diligent ession without our crystal ball. This report showed (from brass/bronze parts) compared to our universal the oil. With this interval being about 2,400 miles ewing. We can assure you, however, that these port
MI/HR on Oil MI/HR on Unit	3,100 34,556		
Sample Date	03/10/14	LOCATION AVERAGES	UNIVERS
Make Up Oil Added		AVENAGES	
ALUMINUM	3	2	
ALUMINUM CHROMIUM IRON	1	1	
IRON	22	11	
COFFER	28	19	
LEAD TIN	0	0	
MOLYBDENUM	16	31	
MOLYBDENUM NICKEL MANGANESE	2	0	
SILVER	0	0	
2 TITANIUM POTASSIUM	20	5	
POTASSIUM BORON	29	4	
SILICON	5	4	
SODIUM	198	113	
MAGNESIUM	1409	1912	
PHOSPHORUS	519	569	
A second second and second second second	597	654	
ZINC		Values	
ZINC BARIUM		Should Be' 55-63	
BARIUM	52 4	8.8-11.3	
	52.4 7.99	0.0-11.3	
BARIUM SUS Viscosity @ 210°F cSt Viscosity @ 100°C Flashpoint in °F	7.99 365	>365	
BARIUM SUS Viscosity @ 210°F cSt Viscosity @ 100°C Flashpoint in °F Evel %	7.99 365 TR	>365 <2.0	
BARIUM SUS Viscosity @ 210°F cSt Viscosity @ 100°C Flashpoint in °F Evel %	7.99 365	>365 <2.0 0.0	
BARIUM SUS Viscosity @ 210°F cSt Viscosity @ 100°C Flashpoint in °F Fuel % Antifreeze % Water % Insolubles %	7.99 365 TR ?	>365 <2.0	
BARIUM SUS Viscosity @ 210°F cSt Viscosity @ 100°C Flashpoint in °F Fuel % Antifreeze % Water %	7.99 365 TR ? 0.0	>365 <2.0 0.0 <0.1	

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RIACKSTY	MF	OIL	LAB	IUMBER: G5623	77 UI	NIT ID: 09 IN	MPALA
	4 EB	REPOR	Т	RT DATE: 1/23/ : 20/501		LIENT ID: 58 AYMENT: PI	
A 200 For the state of the s	3.5L V-6			TYPE & GRADE:		Synthetic 5W/	30
FUEL TYPE: Gasolin ADDITIONAL INFO:	e (Unleaded)		OIL	JSE INTERVAL:	3,200 Miles	5	
MATT				'14 was used hat analysis v			
was run for a similar d titanium from before h 5W/30 (maybe residua sometimes indicate ar oil looked good and ha	ad us scratch al from a prev ntifreeze conta ad a TBN of 4 3,200	ing our heads ious fill?). The amination, but	s, as they are n e combination o t clearly, that's er here! 3,100	ot typical additive of high potassium	s for Penna and sodiur	zoil Synthetio n can	c the
MI/HR on Unit Sample Date	37,100	LOCATION	34,556 03/10/14				AVERAGES
Make Up Oil Added	our full fit	AVERAGES	00110111				
ALL BANKERA	2	2	-				
ALUMINUM CHROMIUM IRON	1	2	3				
IRON	8	11	22				
	22	19	28				
COPPER		4	0				
COPPER LEAD TIN	0	1	0		13)		
LEAD	0 0 43	0 31	0 16				
LEAD TIN MOLYBDENUM NICKEL	0 0 43 0	0 31 0	0 16 0				
LEAD TIN MOLYBDENUM NICKEL MANGANESE	0 0 43 0 1	0 31 0 1	0 16 0 2				
COPPER LEAD TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM	0 43 0 1 0 3	0 31 0	0 16 0				
COPPER LEAD TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM	0 0 43 0 1 0 3 3 5	0 31 0 1 0 5 4	0 16 0 2 0 20 8				
COPPER LEAD TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON	0 43 0 1 0 3	0 31 0 1 0 5	0 16 0 2 0 20				
LEAD TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SILICON SODIUM	0 43 0 1 0 3 5 12 3 37	0 31 0 1 5 4 20 4 113	0 16 0 2 0 20 8 29 5 198				
LEAD TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SILICON SODIUM CALCIUM	0 0 43 0 1 0 3 3 5 12 3 37 1976	0 31 0 1 5 5 4 20 4 113 1912	0 16 0 2 0 20 8 29 5 5 198 1409				19
LEAD TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SILICON SODIUM	0 0 43 0 1 0 3 5 12 3 3 7 1976 11	0 31 0 5 4 20 4 113 1912 13	0 16 0 2 0 20 8 29 5 198 1409 10				19 19
LEAD TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SILICON SODIUM CALCIUM MAGNESIUM PHOSPHORUS ZINC	0 0 43 0 1 0 3 5 12 3 3 7 1976 11 576 660	0 31 0 5 4 20 4 113 1912 13 569 654	0 16 0 2 0 20 8 29 5 198 1409 10 519 597				19 19 1
LEAD TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SILICON SODIUM CALCIUM MAGNESIUM PHOSPHORUS	0 0 43 0 1 0 3 5 12 3 3 7 1976 11 576	0 31 0 1 0 5 4 20 4 113 1912 13 569 654 0	0 16 0 2 0 20 8 29 5 198 1409 10 519				19 19
LEAD TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SILICON SODIUM CALCIUM MAGNESIUM PHOSPHORUS ZINC	0 0 43 0 1 0 3 5 12 3 3 7 1976 11 576 660	0 31 0 5 4 20 4 113 1912 13 569 654	0 16 0 2 0 20 8 29 5 198 1409 10 519 597				19 19 1
LEAD TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SILICON SODIUM CALCIUM MAGNESIUM PHOSPHORUS ZINC BARIUM SUS Viscosity @ 210°F	0 0 43 0 1 0 3 3 5 12 3 3 7 1976 11 576 660 0 0	0 31 0 1 5 5 4 20 4 113 1912 13 569 654 654 0 Values Should Be*	0 16 0 2 0 20 8 29 5 198 1409 10 519 597 0 52.4				19 19 1
LEAD TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SULICON SODIUM CALCIUM MAGNESIUM PHOSPHORUS ZINC BARIUM SUS Viscosity @ 210°F cSt Viscosity @ 210°C	0 0 43 0 1 0 3 3 5 12 3 3 7 1976 11 576 660 0 0 60.1 10.26	0 31 0 1 0 5 4 20 4 113 1912 13 569 654 0 Values Should Be* 55-63 8.8-11.3	0 16 0 2 0 20 8 29 5 198 1409 10 519 597 0 52.4 7.99				19 19 1
LEAD TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SILICON SODIUM CALCIUM MAGNESIUM PHOSPHORUS ZINC BARIUM SUS Viscosity @ 210°F cSt Viscosity @ 100°C Fishpoint n°F Evel 94	0 0 43 0 1 0 3 3 5 12 3 3 7 1976 11 576 660 0 0	0 31 0 1 5 5 4 20 4 113 1912 13 569 654 654 0 Values Should Be*	0 16 0 2 0 20 8 29 5 198 1409 10 519 597 0 52.4				
LEAD TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SILICON SODIUM CALCIUM MAGNESIUM PHOSPHORUS ZINC BARIUM SUS Viscosity @ 210°F cSt Viscosity @ 210°C Flashpoint in °F Fuel % Antifreeze %	0 0 43 0 1 0 3 5 12 3 3 7 1976 11 576 660 0 0 60.1 10.26 405	0 31 0 1 0 5 4 20 4 113 1912 13 569 654 0 Values Should Be [*] Should Be [*] >365 ≥3.63 8.8-11.3 >365 <2.0 0.0	0 16 0 2 0 8 29 5 198 1409 10 519 597 0 597 0 552.4 7.99 365 TR ?				19 19 1
LEAD TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SILICON SODIUM CALCIUM MAGNESIUM PHOSPHORUS ZINC BARIUM SUS Viscosity @ 210°F cSt Viscosity @ 100°C Flashpoint in °F Fuel % Antifreeze %	0 0 43 0 1 0 3 5 12 3 3 7 1976 11 576 660 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 31 0 1 0 5 4 20 4 113 1912 13 569 654 0 Values Should Be [*] Should Be [*] 55-63 8.8-11.3 >365 <2.0 0.0 <0.0	0 16 0 2 0 8 29 5 198 1409 10 519 597 0 597 0 552.4 7.99 365 TR ? 0.0				19 19 1
LEAD TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SULCON SODIUM CALCIUM MAGNESIUM PHOSPHORUS ZINC BARIUM SUS Viscosity @ 210°F cSt Viscosity @ 210°C Flashpoint n°F Fuel % Antifreeze % Water % Insolubles %	0 0 43 0 1 0 3 3 5 12 3 3 7 1976 11 576 660 0 0 0 0 0 0 0 0 0.0 0.0 0.1	0 31 0 1 0 5 4 20 4 20 4 113 1912 13 569 654 0 Values Should Be [*] 55-63 8.8-11.3 >365 <2.0 0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0	0 16 0 2 0 8 29 5 198 1409 10 519 597 0 597 0 552.4 7.99 365 TR ?				19 19 1
LEAD TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SULCON SODIUM CALCIUM MAGNESIUM PHOSPHORUS ZINC BARIUM SUS Viscosity @ 210°F cSt Viscosity @ 100°C Flashpoint in °F Fuel % Antifreeze % Water % Insolubles %	0 0 43 0 1 0 3 5 12 3 3 7 1976 11 576 660 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 31 0 1 0 5 4 20 4 113 1912 13 569 654 0 Values Should Be [*] Should Be [*] 55-63 8.8-11.3 >365 <2.0 0.0 <0.0	0 16 0 2 0 8 29 5 198 1409 10 519 597 0 597 0 552.4 7.99 365 TR ? 0.0				19 19 1



BLACKST	NE		REF	B NUMBER: PORT DATE: DE: 20/501		UNIT ID: 09 IMP CLIENT ID: 5888 PAYMENT: Prep	37
	3.5L V-6 ne (Unleaded)			IL TYPE & GR		ine Engine Oil Miles	
MATT		-				aseline and th t treated with	
MATT: The Impala's and sodium decrease the viscosity remainer oil. Still no contamina and calcium is harmle finale, if you will - is a	d dramatically d on target for tion from fuel, ess and due to	/. We couldn' a 5W/30. Th antifreeze, o variations in	t be sure wha e TBN was 4 r moisture. Tl	at type of oil v .7, indicating he fluctuation	was used on th plenty of activ n in elements li	is run either, but e additive left in th ke molybdenum	e
MI/HR on Oil	3,400		3,200	3,200	3,100		
MI/HR on Unit	43,981	LOCATION	40,359	37,100	34,556		UNIVERSA
Sample Date Make Up Oil Added	09/29/14	AVERAGES	08/04/14	05/10/14	03/10/14		AVERAGE
ALUMINUM	2	2	2	2	3		
CHROMIUM	0	1	0	1	1		1
IRON COPPER	6	11	6 21	8	22	8	
	1	1	1	0	0	10	
	0	0	0	0	0		
MOLYBDENUM NICKEL MANGANESE	43	31	9	43	16	8	
MANGANESE	0	0	1	0	2	2	1
SILVER	0	0	0	0	ō	Ne.	
TITANIUM	0	5	1	3	20	8	
BORON	3	4 20	6	5	29		
SILICON	3	4	3	3	29	8	
SODIUM	53	113	261	37	198	10	J a
CALCIUM	2078	1912	1879	1976	1409		19
MAGNESIUM PHOSPHORUS	12 571	13 569	16 572	11 576	10 519		1
ZINC	668	654	671	660	597		7
LING	0	0 Values	0	0	0		
BARIUM	84	Should Be*	1.0	1.0	1.72	80	
	59.2		58.3	60.1	52.4		
BARIUM SUS Viscosity @ 210°F	9.99	>365	9.72 395	10.26 405	7.99	22	-
BARIUM SUS Viscosity @ 210°F cSt Viscosity @ 100°C Elschaeid in °E	285	<2.0	<0.5	<0.5	TR	(3) (2)	
BARIUM SUS Viscosity @ 210°F cSt Viscosity @ 100°C Flashpoint in °F	385 <0.5		0.0	0.0	?		
BARIUM SUS Viscosity @ 210°F cSt Viscosity @ 100°C Flashpoint in °F Fuel % Antifreeze %	<0.5 0.0	0.0		0.0	0.0	25	_
BARIUM SUS Viscosity @ 210°F cSt Viscosity @ 100°C Flashpoint in °F Fuel % Antifreeze % Water %	<0.5 0.0 0.0	<0.1	0.0	0.4	113	10 A	
BARIUM SUS Viscosity @ 210°F cSt Viscosity @ 100°C Flashpoint in °F Fuel % Antifreeze % Water %	<0.5 0.0 0.0 0.2	<0.1 <0.6	0.2	0.1	0.0	65	
BARIUM SUS Viscosity @ 210°F cSt Viscosity @ 100°C Flashpoint in °F Fuel % Antifreeze % Water %	<0.5 0.0 0.0	<0.1		0.1 4.0	0.0		_

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_		NF	OIL	LA	B NUMBER:	G56280	UNIT ID: 09	IMPALA
			REPOR	т	PORT DATE: DE: 20/501	1/23/2015	CLIENT ID: PAYMENT:	
UNIT	AND DESCRIPTION OF STREET	3.5L V-6 le (Unleaded)			IL TYPE & GI		nzoil Synthetic 5V 0 Miles	V/30
CLIENT	MATT						a baseline a not treated	
COMMENTS	MATT: We're pleased Nothing here is sugge progress from a perple still free of contaminal the viscosity was fine. great, you might go ev M//HR on Oil M//HR on Oil	stive of any p exing first set nts. The TBN You could ea	roblems brev of data to a p was a perfec isily go 5,000 er that!	ving. Quite fra pristine bill of tly acceptable	ankly, it's gra health. Wea e 3.9. You re	atifying for us ar metals look eturned to Pe	to watch an eng great, and the o nnzoil this time,	oil is and
	Sample Date	01/08/15	LOCATION AVERAGES	09/29/14	08/04/14	05/10/14	03/10/14	AVERAGES
	Make Up Oil Added							8
NOI	ALUMINUM	3	2	2	2	2	3	
MILLIN	CHROMIUM	1	1	0	0	1	1	22 8. /20
	IRON COPPER	11	11	6	6 21	8	22	1
		1	1	1	1	0	0	
	LEAD							1.2
PER	TIN	0	0	0	0	0	0	
RTS PER	TIN MOLYBDENUM	0 43	31	0 43 0	9	43	16	7
	TIN MOLYBDENUM NICKEL MANGANESE	0 43 1 1	31 0 1	43 0 0	9 1 1	43 0 1	16 0 2	7
RTS PER	TIN MOLYBDENUM NICKEL MANGANESE SILVER	0 43 1 1 1	31 0 1 0	43 0 0	9 1 1 0	43 0 1 0	16 0 2 0	7
TS IN PARTS PER	TIN MOLYBDENUM NICKEL MANGANESE	0 43 1 1	31 0 1	43 0 0	9 1 1	43 0 1	16 0 2	7
IENTS IN PARTS PER	TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON	0 43 1 1 1 0 0 55	31 0 1 5 4 20	43 0 0 0 3 3	9 1 0 1 6 3	43 0 1 0 3 5 12	16 0 2 0 20 8 29	4
EMENTS IN PARTS PER	TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SILICON	0 43 1 1 1 0 0 55 4	31 0 1 5 4 20 4	43 0 0 0 3 3 3 3	9 1 1 0 1 6 3 3	43 0 1 0 3 5 12 3	16 0 2 0 20 8 29 5	4
IENTS IN PARTS PER	TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON	0 43 1 1 1 0 0 55	31 0 1 5 4 20	43 0 0 0 3 3	9 1 0 1 6 3	43 0 1 0 3 5 12	16 0 2 0 20 8 29	4
EMENTS IN PARTS PER	TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SILICON SILICON SODIUM CALCIUM MAGNESIUM	0 43 1 1 1 0 0 55 4 16 2219 14	31 0 1 5 4 20 4 113 1912 13	43 0 0 3 3 3 3 53 2078 12	9 1 1 0 1 6 3 3 3 261 1879 16	43 0 1 0 3 5 12 3 37 1976 11	16 0 2 0 20 8 29 5 5 198 1409 10	4 1 6 196 196
EMENTS IN PARTS PER	TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SILICON SODIUM CALCIUM MAGNESIUM PHOSPHORUS	0 43 1 1 1 0 0 55 4 16 2219 14 608	31 0 1 0 5 4 20 4 113 1912 13 569	43 0 0 0 3 3 3 53 2078 12 571	9 1 1 6 3 3 261 1879 16 572	43 0 1 0 3 5 12 3 37 1976 11 576	16 0 2 0 20 8 29 5 5 198 1409 10 519	4 1 6 190 17 60
EMENTS IN PARTS PER	TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SILICON SILICON SODIUM CALCIUM MAGNESIUM	0 43 1 1 1 0 0 55 4 16 2219 14	31 0 1 5 4 20 4 113 1912 13	43 0 0 3 3 3 3 53 2078 12	9 1 1 0 1 6 3 3 3 261 1879 16	43 0 1 0 3 5 12 3 37 1976 11	16 0 2 0 20 8 29 5 5 198 1409 10	4 1 6 190 17 60
EMENTS IN PARTS PER	TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SILICON SILICON SODIUM CALCIUM MAGNESIUM PHOSPHORUS ZINC	0 43 1 1 1 0 0 0 55 4 16 2219 14 608 676	31 0 1 0 5 4 20 4 20 4 113 1912 13 569 654 0 Values	43 0 0 0 3 3 3 3 53 2078 12 571 668	9 1 1 0 1 6 3 3 261 1879 16 572 671	43 0 1 0 3 5 12 3 37 1976 11 576 660	16 0 2 0 20 8 29 5 198 1409 10 519 597	4 1 6 190 17 60
EMENTS IN PARTS PER	TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SILICON SODIUM CALCIUM MAGNESIUM PHOSPHORUS ZINC	0 43 1 1 1 0 0 0 55 4 16 2219 14 608 676	31 0 1 0 5 4 20 4 113 1912 13 569 654 0	43 0 0 0 3 3 3 3 53 2078 12 571 668	9 1 1 0 1 6 3 3 261 1879 16 572 671	43 0 1 0 3 5 12 3 37 1976 11 576 660	16 0 2 0 20 8 29 5 198 1409 10 519 597	7 4 4 1 6 196 17 66 79
EMENTS IN PARTS PER	TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SULICON SODIUM CALCIUM MAGNESIUM PHOSPHORUS ZINC BARIUM SUS Viscosity @ 210°F cSt Viscosity @ 100°C	0 43 1 1 1 0 0 0 55 4 16 2219 14 608 676 0 56.7 9.26	31 0 1 0 5 4 20 4 113 1912 13 569 654 0 Values Should Be* 55-63 8.8-11.3	43 0 0 0 3 3 3 3 3 3 3 3 3 3 3 5 3 2078 12 571 668 0 59.2 9.99	9 1 1 0 1 6 3 3 261 1879 16 572 671 0 58.3 9.72	43 0 1 0 3 5 12 3 37 1976 11 576 660 0 0	16 0 2 0 20 8 29 5 198 1409 10 519 597 0 597 0 52.4 7.99	4 1 6 199 17 66 75
ES ELEMENTS IN PARTS PER	TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SILICON SODIUM CALCIUM MAGNESIUM PHOSPHORUS ZINC BARIUM SUS Viscosity @ 210°F cSt Viscosity @ 100°C Flashpoint in °F	0 43 1 1 1 0 0 0 55 4 16 2219 14 608 676 0 0 56.7 9.26 385	31 0 1 0 5 4 20 4 113 1912 13 569 654 0 Values Should Be* 55-63 8.8-11.3 >365	43 0 0 0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	9 1 1 6 3 3 261 1879 16 572 671 0 58.3 9.72 395	43 0 1 0 3 5 12 3 37 1976 11 576 660 0 0 60.1 10.26 405	16 0 2 0 8 29 5 198 1409 10 519 597 0 597 0 597 0	4 1 6 199 17 66 75
ES ELEMENTS IN PARTS PER	TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SULICON SODIUM CALCIUM MAGNESIUM PHOSPHORUS ZINC BARIUM SUS Viscosity @ 210°F cSt Viscosity @ 100°C	0 43 1 1 1 0 0 0 55 4 16 2219 14 608 676 0 56.7 9.26	31 0 1 0 5 4 20 4 113 1912 13 569 654 0 Values Should Be* 55-63 8.8-11.3	43 0 0 0 3 3 3 3 3 3 3 3 3 3 3 5 3 2078 12 571 668 0 59.2 9.99	9 1 1 0 1 6 3 3 261 1879 16 572 671 0 58.3 9.72	43 0 1 0 3 5 12 3 37 1976 11 576 660 0 0	16 0 2 0 20 8 29 5 198 1409 10 519 597 0 597 0 52.4 7.99	4 1 6 190 17 60
ES ELEMENTS IN PARTS PER	TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SILICON SODIUM CALCIUM MAGNESIUM PHOSPHORUS ZINC BARIUM SUS Viscosity @ 210°F cSt Viscosity @ 210°F Flashpoint in °F Flashpoint in °F Flashpoint in °F Fuel %	0 43 1 1 0 0 0 55 4 16 2219 14 608 676 0 0 56.7 9.26 385 <0.5 0.0 0.0	31 0 1 0 5 4 20 4 113 1912 13 569 654 0 Values Should Be* 55-63 8.8-11.3 >365 <2.0 0.0 0.0	43 0 0 0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	9 1 1 0 1 6 3 261 1879 16 572 671 0 58.3 9.72 395 <0.5 0.0 0.0	43 0 1 0 3 5 12 3 3 7 1976 11 576 660 0 0 60.1 10.26 405 <0.5 0.0 0.0	16 0 2 0 20 8 29 5 198 1409 10 519 597 0 597 0 597 0 597 0 597 0 597 0 507 0 507 0 0	4 1 6 199 17 66 75
ELEMENTS IN PARTS PER	TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SILICON SODIUM CALCIUM MAGNESIUM PHOSPHORUS ZINC BARIUM SUS Viscosity @ 100°C Flashpoint in °F Fuel % Antifreeze % Water % Insolubles %	0 43 1 1 0 0 0 55 4 1 6 0 0 2219 14 608 676 676 0 0 0 55.7 9.26 385 <0.5 0.0 0.0 0.0 0.2	31 0 1 0 5 4 4 20 4 113 1912 13 569 654 0 Values Should Be* 55-63 8.8-11.3 >365 <2.0 0.0 0.0 0.0 0.0	43 0 0 0 3 3 3 3 53 2078 12 571 668 0 0 59.2 9.99 385 <0.5 0.0 0.0 0.0 0.2	9 1 1 0 1 6 3 261 1879 16 572 671 0 58.3 9.72 395 <0.5 0.0 0.0 0.2	43 0 1 0 3 5 12 3 3 7 1976 11 576 660 0 0 60.1 10.26 405 <0.5 0.0 0.0 0.1	16 0 2 0 20 8 29 5 198 1409 10 519 597 0 597 0 597 0 597 0 597 7 9 597 7 7.99 365 TR ?	4 1 6 190 17 60
ES ELEMENTS IN PARTS PER	TIN MOLYBDENUM NICKEL MANGANESE SILVER TITANIUM POTASSIUM BORON SILICON SODIUM CALCIUM MAGNESIUM PHOSPHORUS ZINC BARIUM SUS Viscosity @ 210°F cSt Viscosity @ 210°F Flashpoint in °F Flashpoint in °F Flashpoint in °F Fuel %	0 43 1 1 0 0 0 55 4 16 2219 14 608 676 0 0 56.7 9.26 385 <0.5 0.0 0.0	31 0 1 0 5 4 20 4 113 1912 13 569 654 0 Values Should Be* 55-63 8.8-11.3 >365 <2.0 0.0 0.0	43 0 0 0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	9 1 1 0 1 6 3 261 1879 16 572 671 0 58.3 9.72 395 <0.5 0.0 0.0	43 0 1 0 3 5 12 3 3 7 1976 11 576 660 0 0 60.1 10.26 405 <0.5 0.0 0.0	16 0 2 0 20 8 29 5 198 1409 10 519 597 0 597 0 597 0 597 0 597 0 597 0 507 0 507 0 0	4 1 6 190 17 60