

OIL ANALYSIS REPORT

Sample Rating Trend



Chevrolet 4356

Component Gasoline Engine Fluid PETRO CANADA DURON SHP 10W30 (--- G

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

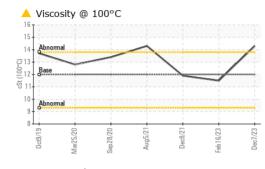
Fluid Condition

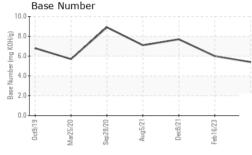
The oil viscosity is higher than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

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•		Oct2019	Mar2020 Sep2020	Aug2021 Dec2021 Feb2023	Dec2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0091623	PCA0045400	PCA0045484
Sample Date		Client Info		07 Dec 2023	16 Feb 2023	08 Dec 2021
lachine Age	mls	Client Info		71805	56035	48796
Dil Age	mls	Client Info		15770	7239	2830
Dil Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
uel		WC Method		<1.0	<1.0	<1.0
Vater		WC Method	>0.2	NEG	NEG	NEG
alycol		WC Method		NEG	NEG	NEG
WEAR METAL	.S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>150	27	21	11
Chromium	ppm	ASTM D5185m	>20	1	<1	<1
lickel	ppm		>5	<1	0	1
ītanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
luminum	ppm	ASTM D5185m	>40	5	2	2
ead	ppm	ASTM D5185m	>50	1	<1	<1
Copper	ppm	ASTM D5185m	>155	29	36	34
ïn	ppm	ASTM D5185m	>10	<1	<1	<1
ntimony	ppm	ASTM D5185m				<1
/anadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<1	1	6
Barium	ppm	ASTM D5185m	0	0	0	0
lolybdenum	ppm	ASTM D5185m	50	58	56	48
langanese	ppm	ASTM D5185m	0	1	2	<1
lagnesium	ppm	ASTM D5185m	950	874	856	876
Calcium	ppm	ASTM D5185m	1050	948	1035	1068
hosphorus	ppm	ASTM D5185m	995	833	798	847
linc	ppm	ASTM D5185m	1180	1110	1091	1063
Sulfur	ppm	ASTM D5185m	2600	2350	2458	2246
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	10	8	10
Sodium	ppm	ASTM D5185m	>400	3	3	3
Potassium	ppm	ASTM D5185m	>20	0	1	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0.1
litration	Abs/cm	*ASTM D7624	>20	18.2	12.9	11.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	30.6	24.1	22.4
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Dxidation	Abs/.1mm	*ASTM D7414	>25	36.7	25.2	19.9
Base Number (BN)	mg KOH/g	ASTM D2896		5.4	6	7.7
3:25) Rev: 1					Submitted	By: Chad Ingolo



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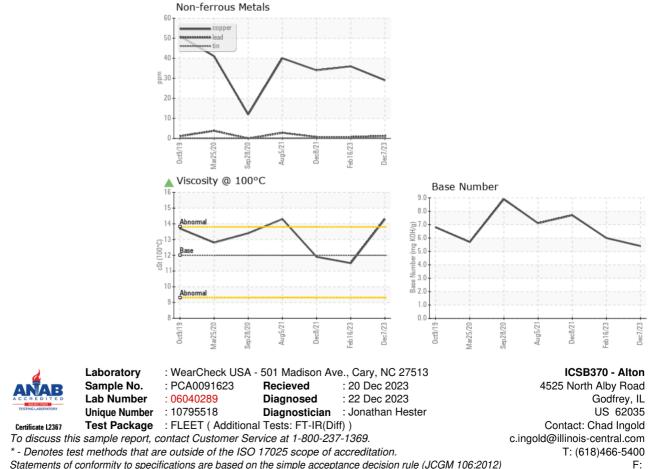
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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	12.00	14.3	11.5	11.9
GRAPHS						
Ferrous Alloys						
30 iron			1			
25 - chromium		/				
20						
15	$\langle \rangle$					
10		\checkmark				
5-						



Dec8/21-

eb16/23

Dec7/23

Aug5/21.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)