

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id 728054-10 Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- LTR

SAMPLE INFOR	MATION	method				history2
Sample Number		Client Info		GFL0058098	GFL0058049	GFL0075063
Sample Date		Client Info		13 Nov 2023	10 Aug 2023	06 Jun 2023
Machine Age	hrs	Client Info		12578	11987	11789
Oil Age	hrs	Client Info		508	576	359
Oil Changed	1110	Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	27	15	9
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>30	3	2	<1
Lead	ppm	ASTM D5185m	>30	0	<1	0
Copper	ppm	ASTM D5185m	>150	<1	<1	<1
Tin	ppm		>5	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	4	3	4
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	59	63	62
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	973	1040	986
Calcium	ppm	ASTM D5185m	1070	1060	1209	1146
Phosphorus	ppm	ASTM D5185m	1150	1070	1080	1015
Zinc	ppm	ASTM D5185m	1270	1349	1391	1284
Sulfur	ppm	ASTM D5185m	2060	3067	3941	3715
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	7	6	6
Sodium	ppm	ASTM D5185m		6	6	5
Potassium	ppm	ASTM D5185m	>20	2	2	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7	0.6	0.4
Nitration	Abs/cm	*ASTM D7624	>20	10.0	9.8	8.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.2	19.6	19.4
FLUID DEGRA		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.4	16.8	15.4

Recommendation

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



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scalar

scalar

*Visual

*Visual

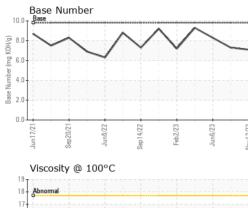
NONE

NONE

VISUAL

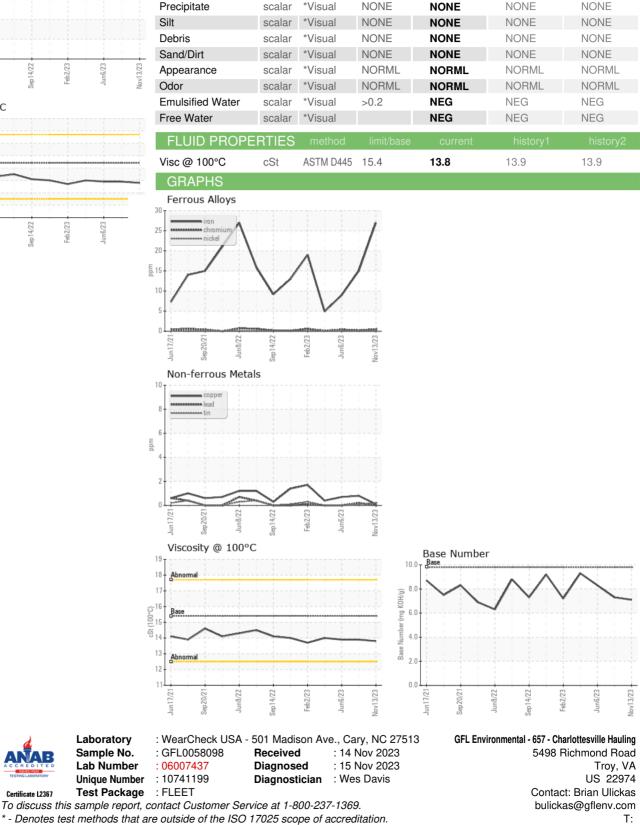
White Metal

Yellow Metal



Sep14/22.

1108/27



NONE

NONE

NONE

NONE

NONE

NONE

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

Certificate L2367

Submitted By: TECHNICIAN ACCOUNT

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