

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

426080-402321 Component

Diesel Engine Fluid

PETRO CANADA DUR

SAMPLE INFOR	MATION	method				history2
Sample Number		Client Info		GFL0088079	GFL0088154	GFL0088256
Sample Date		Client Info		23 Oct 2023	21 Sep 2023	28 Aug 2023
Machine Age	hrs	Client Info		18353	0	0
Oil Age	hrs	Client Info		18353	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	0.4
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	5	6	4
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	<1	1
Lead	ppm	ASTM D5185m	>40	0	<1	<1
Copper	ppm	ASTM D5185m	>330	<1	1	1
Tin	ppm	ASTM D5185m	>15	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	4	0	0
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	57	59	56
Manganese	ppm	ASTM D5185m	0	<1	0	0
Magnesium	ppm	ASTM D5185m	560	955	1013	937
Calcium	ppm	ASTM D5185m	1510	1029	1098	1064
Phosphorus	ppm	ASTM D5185m	780	993	1045	974
Zinc	ppm	ASTM D5185m	870	1308	1314	1214
Sulfur	ppm	ASTM D5185m	2040	2806	3264	3461
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	3	2
Sodium	ppm	ASTM D5185m		3	3	2
Potassium	ppm	ASTM D5185m	>20	<1	<1	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.4	0.4	0.3
Nitration	Abs/cm	*ASTM D7624	>20	8.0	6.2	5.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.4	18.6	17.2
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.1	13.9	12.2

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.

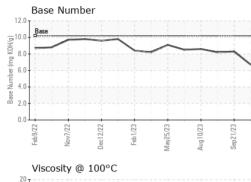
Fluid Condition

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

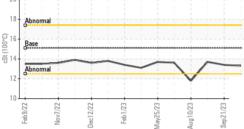


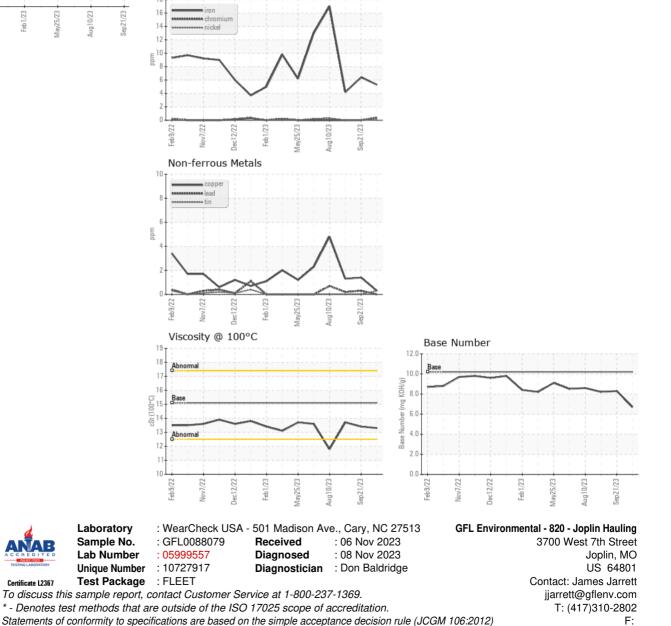
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Ferrous Alloys









Certificate L2367

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