

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Machine Id 727098-310077 Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

🛑 Wear

An increase in the aluminum level is noted. An increase in the iron level is noted.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

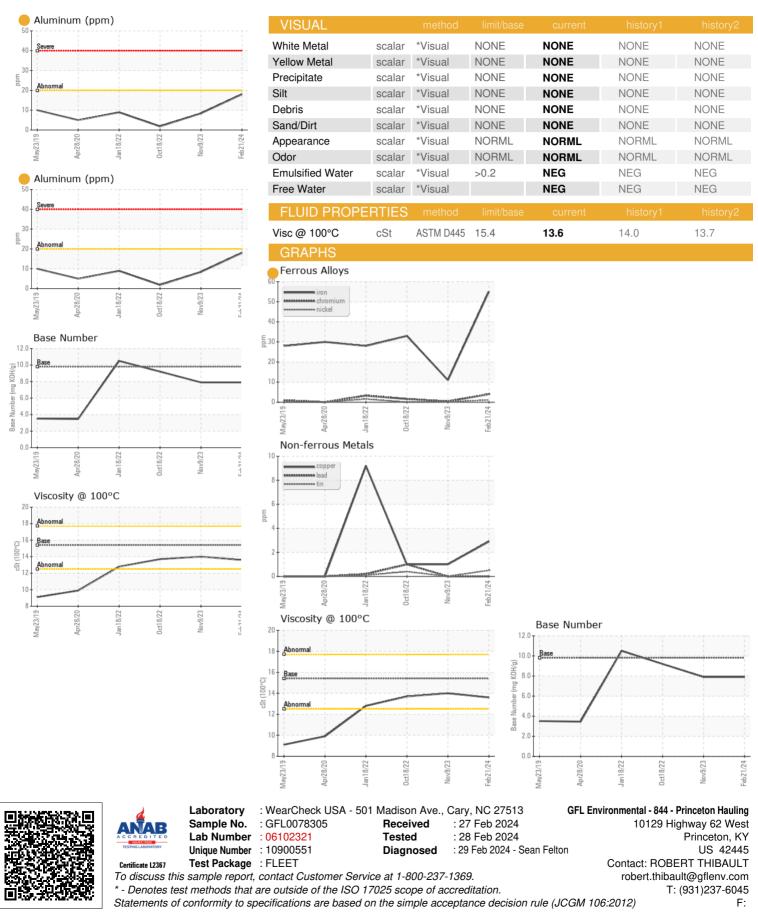
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

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SAMPLE INFORI	MATION					
Sample Number		Client Info		GFL0078305	GFL0080031	GFL0042163
Sample Date		Client Info		21 Feb 2024	09 Nov 2023	18 Oct 2022
Machine Age	hrs	Client Info		14119	13969	0
Oil Age	hrs	Client Info		0	0	450
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				ATTENTION	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron		ASTM D5185m	>100	55	11	33
Chromium	ppm ppm		>20	4	<1	2
Nickel		ASTM D5185m	>4	1	<1	0
Titanium	ppm ppm	ASTM D5185m	~	، <1	<1	0
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m		0 18	8	2
Lead	ppm	ASTM D5185m	>20	0	0	1
Copper	ppm	ASTM D5185m		3	1	1
Tin	ppm	ASTM D5185m	>15	۲ ۲	0	<1
Antimony	ppm	ASTM D5185m	210			
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	<1	0
ADDITIVES	1- 1-	method	limit/base	current	history1	history2
Boron		ASTM D5185m	0	2	<1	2
Barium	ppm		0	2 <1	0	2
Molybdenum	ppm	ASTM D5185m	60	58	62	53
Manganese	ppm ppm	ASTM D5185m	0	50 <1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	844	934	858
Calcium	ppm	ASTM D5185m	1070	969	1056	1075
Phosphorus	ppm	ASTM D5185m	1150	949	1019	938
Zinc	ppm	ASTM D5185m	1270	1123	1216	1180
Sulfur	ppm	ASTM D5185m	2060	2877	2832	3278
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm		>25	9	3	5 4
Sodium	ppm	ASTM D5185m	. 00	14	3	
Potassium	ppm	ASTM D5185m		35	17	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5	0.3	1.4
Nitration	Abs/cm	*ASTM D7624	>20	8.8	8.0	8.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.7	20.1	22.5
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.8	16.6	16.0
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.9	7.9	9.2
28:39) Bev: 1 Contact/Location: BOBERT THIBALILT - GEL 844						

Contact/Location: ROBERT THIBAULT - GFL844



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