

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **PETERBILT 150-13** Component

Diesel Engine

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

DIAGNOSIS

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

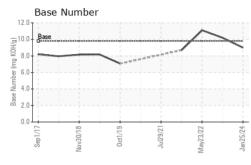
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

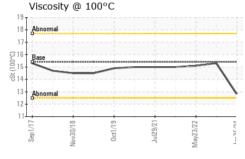
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0089565	PCA0070768	PCA0060043
Sample Date		Client Info		25 Jan 2024	05 Aug 2022	23 May 2022
Machine Age	mls	Client Info		0	369000	554978
Oil Age	mls	Client Info		10000	10000	11000
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ON	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 METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	16	57	38
Chromium	ppm	ASTM D5185m	>20	<1	2	2
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m	>2	0	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	2	2
Lead	ppm	ASTM D5185m	>40	<1	3	2
Copper	ppm	ASTM D5185m	>330	2	4	6
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	3	10	4
Barium	ppm	ASTM D5185m	0	2	2	0
Molybdenum	ppm	ASTM D5185m	60	51	62	62
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	1010	835	880	889
Calcium	ppm	ASTM D5185m	1070	927	1178	1184
Phosphorus	ppm	ASTM D5185m	1150	907	1051	1010
Zinc	ppm	ASTM D5185m	1270	1094	1278	1228
Sulfur	ppm	ASTM D5185m	2060	2832	3043	3056
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	5	4
Sodium	ppm	ASTM D5185m		3	5	5
Potassium	ppm	ASTM D5185m	>20	2	5	5
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	1.8	0.9
Nitration	Abs/cm	*ASTM D7624	>20	7.5	11.0	11.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.0	24.6	20.4
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.8	18.8	15.2
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	9.0	10.2	11.1
S-17-12) Boy: 1				Contact/Locatio		

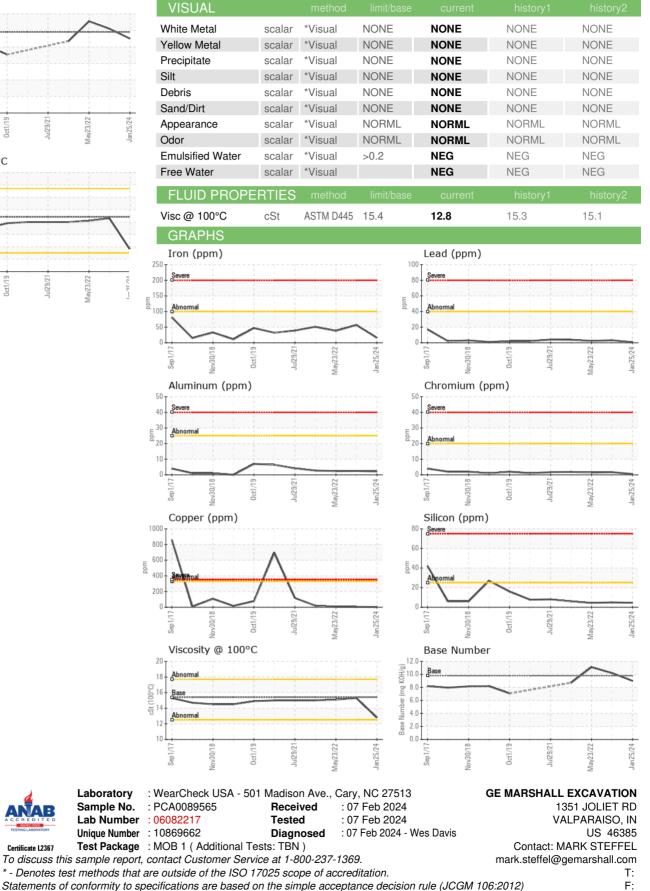
Contact/Location: MARK STEFFEL - GEMVAL



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Laboratory

Sample No.

Certificate L2367

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