

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

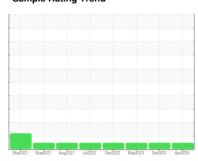


G.LOPES CONSTRUCTION INC./On-Road

343

Component
Diesel Engine

PETRO CANADA DURON SHP 15W40 (10 GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

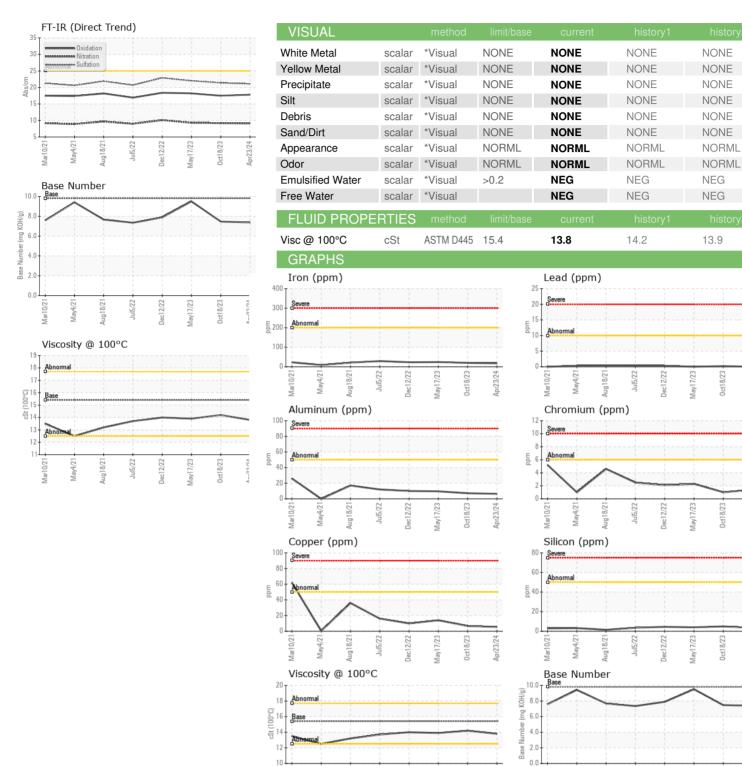
Fluid Condition

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 INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0122611	PCA0104579	PCA0098551
Sample Date		Client Info		23 Apr 2024	18 Oct 2023	17 May 2023
Machine Age	mls	Client Info		242500	152000	242500
Oil Age	mls	Client Info		242500	242500	242500
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	<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	ppm	ASTM D5185m	>200	18	20	24
Chromium	ppm	ASTM D5185m	>6	1	1	2
Nickel	ppm	ASTM D5185m	>3	0	<1	<1
Titanium	ppm	ASTM D5185m	>2	<1	1	<1
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>50	6	7	10
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>50	5	7	14
Tin	ppm	ASTM D5185m	>6	0	<1	<1
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	<1	3	1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	63	64	63
Manganese	ppm	ASTM D5185m	0	<1	<1	1
Magnesium	ppm	ASTM D5185m	1010	1018	964	1001
Calcium	ppm	ASTM D5185m	1070	1179	1122	1184
Phosphorus	ppm	ASTM D5185m	1150	1044	1054	1004
Zinc	ppm	ASTM D5185m	1270	1289	1270	1263
Sulfur	ppm	ASTM D5185m	2060	3239	3391	2908
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3	5	4
Sodium	ppm	ASTM D5185m		3	<1	3
Potassium	ppm	ASTM D5185m	>20	7	12	14
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5	0.6	0.6
Nitration	Abs/cm	*ASTM D7624	>20	9.1	9.2	9.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.1	21.4	22.0
FLUID DEGRADATION method limit/base current history1 history2						
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.8	17.5	18.2
Base Number (BN)	mg KOH/g	ASTM D2896		7.37	7.47	9.50
	99					0.00



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: PCA0122611 Lab Number : 06161701 Unique Number : 10997124 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 26 Apr 2024 **Tested** : 28 Apr 2024

Dec12/22

Diagnosed : 28 Apr 2024 - Wes Davis

To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

G LOPES CONSTRUCTION

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