

OIL ANALYSIS REPORT

G.LOPES CONSTRUCTION INC./ON-ROAD PU236

Component Diesel Engine Fluid

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

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.

	JAD					
AL)		Feb2022	Nov2022	Dec2023 Jan2024	Feb2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0072164	PCA0109664	PCA0109751
Sample Date		Client Info		21 Feb 2024	23 Jan 2024	11 Dec 2023
Machine Age	hrs	Client Info		177000	175000	172000
Dil Age	hrs	Client Info		177000	175000	172000
Dil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	MARGINAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	2 .5	6 .0
Nater		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	8	11	27
Chromium	ppm	ASTM D5185m	>20	<1	<1	2
Nickel	ppm	ASTM D5185m	>4	<1	0	0
Fitanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	4	7
ead	ppm	ASTM D5185m	>40	<1	0	0
Copper	ppm	ASTM D5185m	>330	1	<1	3
-in	ppm	ASTM D5185m	>15	<1	<1	0
/anadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	11	7	25
Barium	ppm	ASTM D5185m	0	5	0	0
Nolybdenum	ppm	ASTM D5185m	60	59	59	79
Nanganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	740	854	124
Calcium	ppm	ASTM D5185m	1070	1128	1110	1990
Phosphorus	ppm	ASTM D5185m	1150	924	1068	954
Zinc	ppm	ASTM D5185m	1270	1131	1224	1109
Sulfur	ppm	ASTM D5185m	2060	3204	3005	3570
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	5	6
Sodium	ppm	ASTM D5185m		0	<1	4
Potassium	ppm	ASTM D5185m	>20	1	0	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.2
Nitration	Abs/cm	*ASTM D7624	>20	7.6	8.6	12.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.6	18.4	24.1
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.7	16.0	23.5
Base Number (BN)	mg KOH/g	ASTM D7414 ASTM D2896	9.8	9.84	9.76	5.07
	ing KOR/g	A0 HVI D2030	0.0	3.04	5.70	5.07

Sample Rating Trend

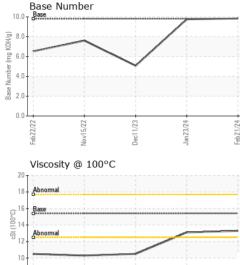
NORMAL



Feb22/22

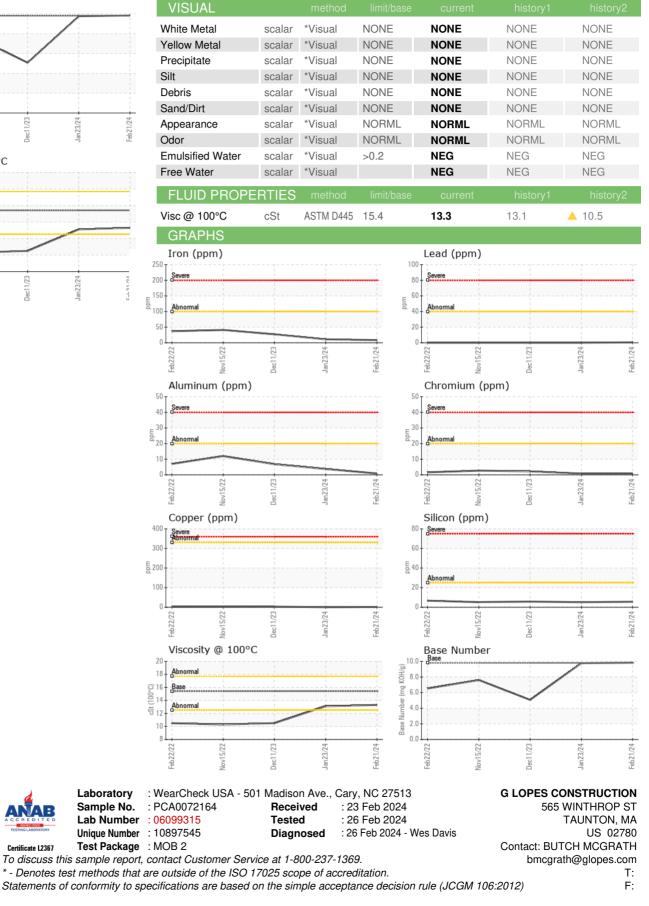
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Dec11/23

Jan23/24



Certificate L2367

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