

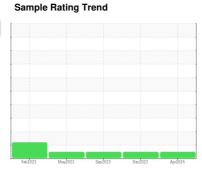
OIL ANALYSIS REPORT

G.LOPES CONSTRUCTION INC./ON-ROAD

356

Diesel Engine

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.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

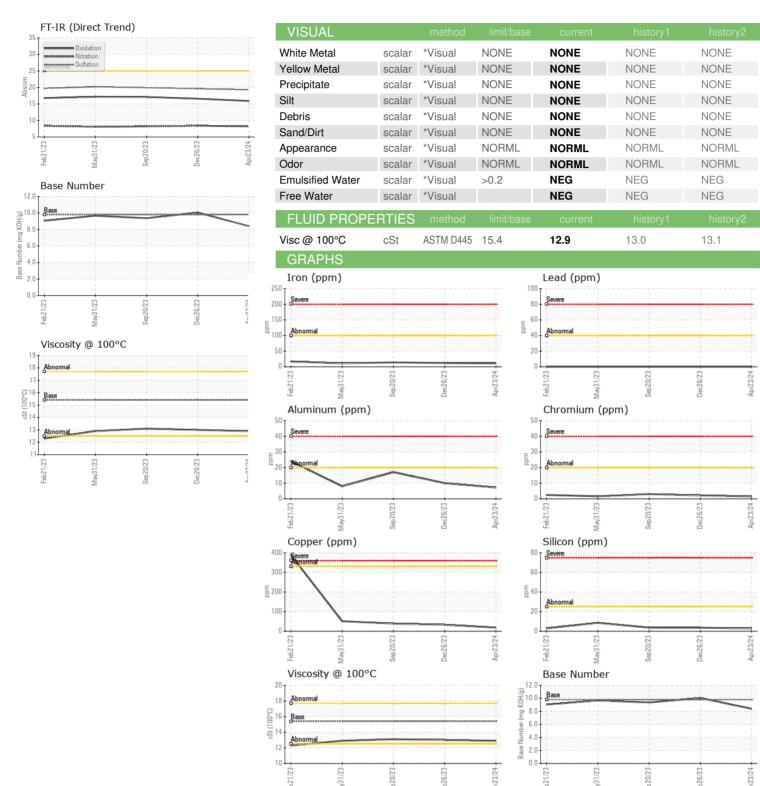
Fluid Condition

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

GAL)		Feb 2023	May2023	Sep2023 Dec2023	Apr2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0122613	PCA0109754	PCA0104690
Sample Date		Client Info		23 Apr 2024	26 Dec 2023	20 Sep 2023
Machine Age	hrs	Client Info		112000	92000	52000
Oil Age	hrs	Client Info		112000	92000	52000
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	>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	ppm	ASTM D5185m	>100	11	12	14
Chromium	ppm	ASTM D5185m	>20	2	2	3
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	7	10	17
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	19	33	39
Tin	ppm	ASTM D5185m	>15	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	0	2	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	61	61	59
Manganese	ppm	ASTM D5185m	0	<1	0	<1
Magnesium	ppm	ASTM D5185m	1010	986	907	1004
Calcium	ppm	ASTM D5185m	1070	1162	1138	1177
Phosphorus	ppm	ASTM D5185m	1150	989	813	930
Zinc	ppm	ASTM D5185m	1270	1229	1127	1277
Sulfur	ppm	ASTM D5185m	2060	3033	2214	2702
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	4	4
Sodium	ppm	ASTM D5185m		3	<1	3
Potassium	ppm	ASTM D5185m	>20	17	29	50
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.3	0.3
Nitration	Abs/cm	*ASTM D7624	>20	8.2	8.4	8.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.3	19.6	19.9
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.9	16.6	17.1
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.40	10.04	9.37



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

: PCA0122613 Lab Number : 06161702

Unique Number : 10997125 Test Package : MOB 2

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

Tested : 28 Apr 2024 Diagnosed

: 28 Apr 2024 - Wes Davis

Contact: BUTCH MCGRATH

G LOPES CONSTRUCTION

565 WINTHROP ST

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US 02780

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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)