

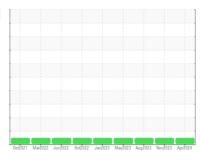
OIL ANALYSIS REPORT

G.LOPES CONSTRUCTION INC./On-Road

347

Component
Diesel Engine

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



Sample Rating Trend



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

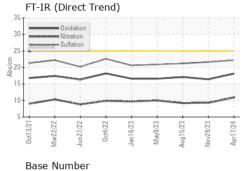
Fluid Condition

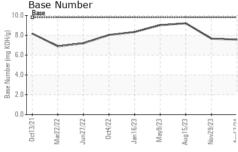
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

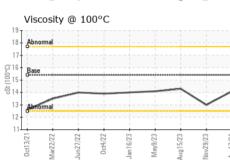
SAMPLE INFORM	IATION	method	limit/base	ourront	history1	hiotory
	IATION		IIIIIIVDase	current	•	history2
Sample Number		Client Info		PCA0122681	PCA0098418	PCA0098489
Sample Date		Client Info		17 Apr 2024	29 Nov 2023	15 Aug 2023
3-	hrs	Client Info		192000	172000	132000
0	hrs	Client Info		192000	172000	132000
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	NC	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	3	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	25	16	16
Chromium	ppm	ASTM D5185m	>20	2	1	2
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	8	6	7
Lead	ppm	ASTM D5185m	>40	<1	0	0
Copper	ppm	ASTM D5185m	>330	7	3	4
Tin	ppm	ASTM D5185m	>15	1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	4	3
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	61	60	61
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	956	860	1000
Calcium	ppm	ASTM D5185m	1070	1153	1048	1120
Phosphorus	ppm	ASTM D5185m	1150	976	966	1029
Zinc	ppm	ASTM D5185m	1270	1140	1203	1303
Sulfur	ppm	ASTM D5185m	2060	3175	2756	3359
CONTAMINANT	ſS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	5	6
Sodium	ppm	ASTM D5185m		3	1	0
Potassium	ppm	ASTM D5185m	>20	3	7	6
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7	0.6	0.6
Nitration	Abs/cm	*ASTM D7624	>20	10.9	9.3	9.2
	Abs/.1mm	*ASTM D7415		22.2	21.6	21.2
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.1	16.4	17.1
	mg KOH/g	ASTM D2896	9.8	7.56	7.66	9.21
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OIL ANALYSIS REPORT



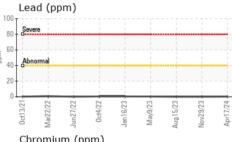


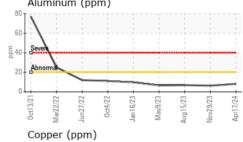


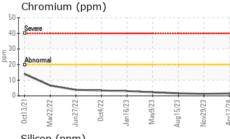
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

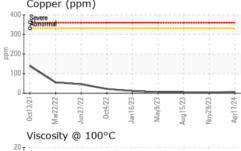
FLUID PROPE	ERITES	method	ilmit/base	current	nistory i	nistory
Visc @ 100°C	cSt	ASTM D445	15.4	14.1	13.0	14.3

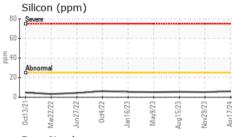
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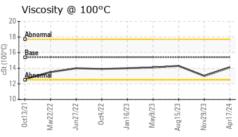


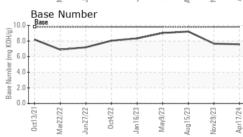
















Certificate 12367

Laboratory Sample No.

: PCA0122681 Lab Number : 06154654 Unique Number : 10990077

Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Apr 2024 **Tested** Diagnosed

: 23 Apr 2024 : 23 Apr 2024 - Wes Davis

TAUNTON, MA US 02780 Contact: BUTCH MCGRATH

G LOPES CONSTRUCTION

565 WINTHROP ST

bmcgrath@glopes.com T:

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

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