

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

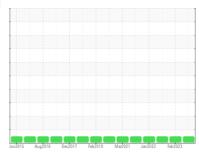


G.LOPES CONSTRUCTION INC./Off-Road

E28

Component **Diesel Engine**

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

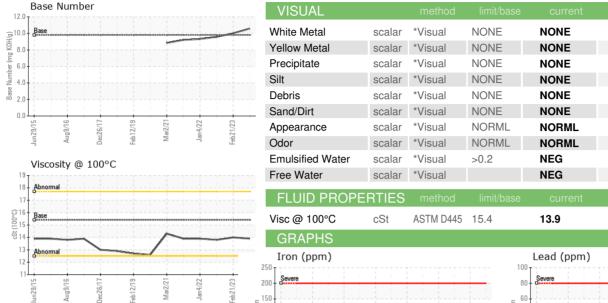
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

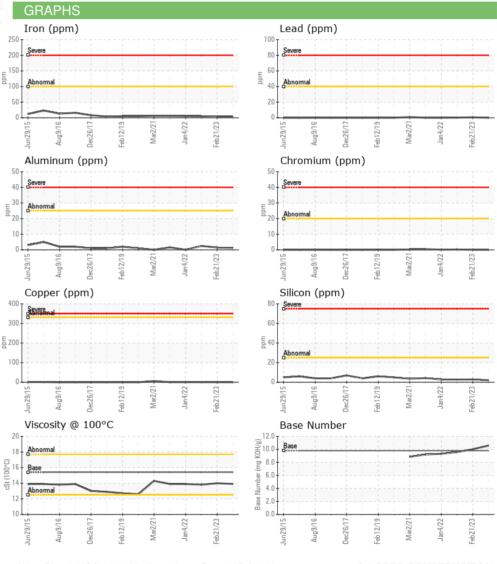
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0104747	PCA0083148	PCA0078009
Sample Date		Client Info		20 Sep 2023	21 Feb 2023	13 Sep 2022
Machine Age	hrs	Client Info		6566	6566	6386
Oil Age	hrs	Client Info		5686	5866	6076
Oil Changed		Client Info		N/A	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
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
						5
Iron	ppm	ASTM D5185m	>100	3	4	
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm		>2	0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	3
Aluminum	ppm	ASTM D5185m	>25	1	1	2
Lead	ppm	ASTM D5185m	>40	0	<1	<1
Copper	ppm	ASTM D5185m	>330	<1	<1	<1
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	2	5	10
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	57	57	57
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	1010	992	920	924
Calcium	ppm	ASTM D5185m	1070	1136	1061	1036
Phosphorus	ppm	ASTM D5185m	1150	1028	984	976
Zinc	ppm	ASTM D5185m	1270	1284	1202	1205
Sulfur	ppm	ASTM D5185m	2060	3795	3609	3028
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	3	3
Sodium	ppm	ASTM D5185m		2	2	1
Potassium	ppm	ASTM D5185m	>20	3	0	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	5.5	5.5	6.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.5	17.4	18.9
FLUID DEGRAD	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.2	13.5	15.2
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	10.59	10.01	9.58

Submitted By: MATT MANOLI



OIL ANALYSIS REPORT









Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package

: PCA0104747 : 05958723 : 10659936 : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 22 Sep 2023 Received Diagnosed : 25 Sep 2023 : Wes Davis Diagnostician

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)

G LOPES CONSTRUCTION

565 WINTHROP ST TAUNTON, MA US 02780

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

13.8

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

14.0

Contact: BUTCH MCGRATH

bmcgrath@glopes.com

T: F: