WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**

G.LOPES CONSTRUCTION INC./Off-Road

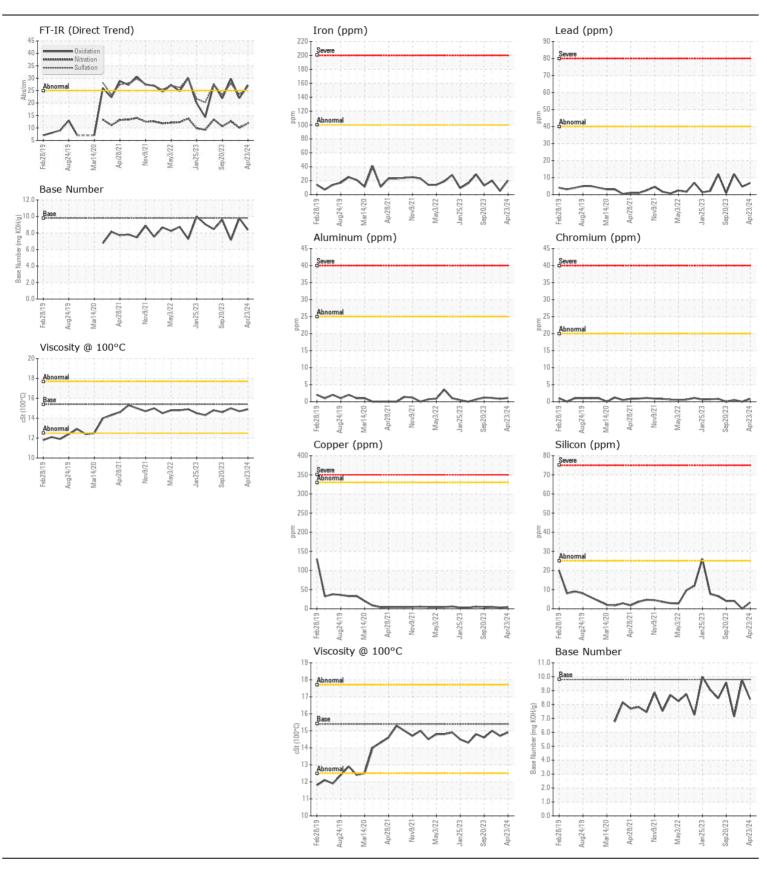


L33

Component Diesel Engine

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

PETRO CANADA DURON STP 15W4U (GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		PCA0122605	PCA0018796	PCA0078194
Resample at the next service interval to monitor.	Sample Date		Client Info		23 Apr 2024	07 Feb 2024	15 Nov 2023
	Machine Age	hrs	Client Info		11001	11001	10557
	Oil Age	hrs	Client Info		6464	6908	6801
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		N/A	N/A	N/A
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	20	5	20
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1	0	<1
	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		<1	0	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		1	<1	1
	Lead	ppm	ASTM D5185m		7	5	12
	Copper	ppm	ASTM D5185m		4	3	5
	Tin	ppm	ASTM D5185m		0	<1	<1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTANUATION							
CONTAMINATION	Silicon	ppm	ASTM D5185m		3	0	4
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		0	<1	3
The to the medication of any contamination in the oil	Fuel		WC Method		<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol Soot %	0/	WC Method *ASTM D7844	. 0	NEG 0.3	NEG	NEG
	Nitration	% Abs/cm	*ASTM D7644	>20	11.9	0.2 10.0	0.3
	Sulfation	Abs/.1mm	*ASTM D7024		26.5	23.5	27.8
	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
FLUID CONDITION	O - all		AOTA DEADE				
FLUID CONDITION	Sodium	ppm	ASTM D5185m	0	3	0	2
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron Barium	ppm	ASTM D5185m ASTM D5185m		0	8	9 <1
	Molybdenum	ppm	ASTM D5185m		67	61	69
	Manganese	ppm	ASTM D5185m		<1	1	0
	Magnesium	ppm	ASTM D5185m		1138	946	1044
	Calcium	ppm	ASTM D5185m		1361	1068	1183
	Phosphorus	ppm	ASTM D5185m		1216	1052	1076
	Zinc	ppm	ASTM D5185m		1443	1270	1329
	Sulfur	ppm	ASTM D5185m		3934	2977	3323
	Oxidation	Abs/.1mm	*ASTM D7414		27.1	22.0	29.8
	Base Number (BN)				8.37	9.76	7.14
	Visc @ 100°C	cSt	ASTM D445		14.9	14.7	15.0







Certificate L2367

Laboratory Sample No.

Lab Number : 06161698 Unique Number : 10997121

: PCA0122605 Test Package : MOB 2

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

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

: 29 Apr 2024 - Sean Felton Diagnosed

G LOPES CONSTRUCTION 565 WINTHROP ST

TAUNTON, MA US 02780

Contact: BUTCH MCGRATH

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* - 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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