

122 Component **Diesel Engine**

Fluid

OIL ANALYSIS REPORT

G.LOPES CONSTRUCTION INC./On-Road





Sample Rating Trend

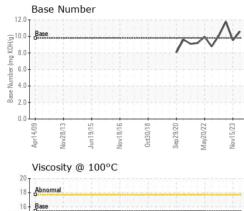
PETRO CANADA DURON SHP 15W40 (GAL)			vi2003 NevZ013 Jun2015 NevZ016 Oc2018 SegZ020 MeyZ022 NevZ023					
DIAGNOSIS	SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2	
commendation	Sample Number		Client Info		PCA0109692	PCA0078197	PCA0098320	
sample at the next service interval to monitor.	Sample Date		Client Info		19 Mar 2024	15 Nov 2023	12 Jul 2023	
ar	Machine Age	mls	Client Info		535000	535000	535000	
component wear rates are normal.	Oil Age	mls	Client Info		535000	535000	535000	
ntamination	Oil Changed		Client Info		N/A	N/A	N/A	
ere is no indication of any contamination in the	Sample Status				NORMAL	MARGINAL	ABNORMAL	
· · · · · · · · · · · · · · · · · · ·	CONTAMINA	ΓΙΟΝ	method	limit/base	current	history1	history2	
Fluid Condition The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the bil is suitable for further service.	Fuel		WC Method		<1.0	2 .2	<1.0	
	Water		WC Method		NEG	NEG	NEG	
	Glycol		WC Method	20.L	NEG	NEG	NEG	
	WEAR META	S	method	limit/base	current	history1	history2	
	Iron		ASTM D5185m		27	35	40	
		ppm						
	Chromium	ppm	ASTM D5185m		0	<1	1	
	Nickel	ppm	ASTM D5185m	>4	0	0	<1	
	Titanium	ppm	ASTM D5185m	0	0	<1	<1	
	Silver	ppm	ASTM D5185m		0	0	0	
	Aluminum	ppm	ASTM D5185m		3	4	8	
	Lead	ppm	ASTM D5185m		2	3	2	
	Copper	ppm	ASTM D5185m		9	81	▲ 584	
	Tin	ppm	ASTM D5185m	>15	<1	<1	1	
	Vanadium	ppm	ASTM D5185m		0	0	<1	
	Cadmium	ppm	ASTM D5185m		0	<1	0	
	ADDITIVES		method	limit/base	current	history1	history2	
	Boron	ppm	ASTM D5185m		7	13	2	
	Barium	ppm	ASTM D5185m	0	0	<1	2	
	Molybdenum	ppm	ASTM D5185m	60	58	50	61	
	Manganese	ppm	ASTM D5185m	0	0	0	<1	
	Magnesium	ppm	ASTM D5185m	1010	934	755	917	
	Calcium	ppm	ASTM D5185m	1070	1068	1246	1124	
	Phosphorus	ppm	ASTM D5185m	1150	1006	934	984	
	Zinc	ppm	ASTM D5185m	1270	1228	1153	1258	
	Sulfur	ppm	ASTM D5185m	2060	3319	2935	3133	
	CONTAMINA	NTS	method	limit/base	current	history1	history2	
	Silicon	ppm	ASTM D5185m	>25	4	7	9	
	Sodium	ppm	ASTM D5185m		<1	<1	2	
	Potassium	ppm	ASTM D5185m	>20	<1	2	1	
	INFRA-RED		method	limit/base	current	history1	history2	
	Soot %	%	*ASTM D7844	>3	0.5	0.7	0.7	
	Nitration	Abs/cm	*ASTM D7624	>20	6.8	6.6	7.9	
	Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	20.1	21.0	
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2	
	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.8	14.1	16.5	
							11.79	



cSt (100°C)

Apr14/09

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Inv15/23



Certificate L2367