

OIL ANALYSIS REPORT

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Sample Rating Trend

NORMAL



Machine Id **630785**

Component **Diesel Engine**

PETRO CANADA DURON SHP 10W30 (--- GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components.

Fluid Condition

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

AL)				Aug2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0100796		
Sample Date		Client Info		18 Aug 2023		
Machine Age	mls	Client Info		40345		
Oil Age	mls	Client Info		40345		
-	11115	Client Info				
Oil Changed Sample Status		Ciletit IIIIO		Changed NORMAL		
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CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	116		
Chromium	ppm	ASTM D5185m	>20	1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	<1		
Aluminum	ppm	ASTM D5185m	>20	64		
Lead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m	>330	28		
Tin	ppm	ASTM D5185m	>15	4		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	19		
Barium	ppm	ASTM D5185m	0	2		
Molybdenum	ppm	ASTM D5185m	50	11		
Manganese	ppm	ASTM D5185m	0	4		
Magnesium	ppm	ASTM D5185m	950	906		
Calcium	ppm	ASTM D5185m	1050	1604		
Phosphorus	ppm	ASTM D5185m	995	837		
Zinc	ppm	ASTM D5185m	1180	1023		
Sulfur	ppm	ASTM D5185m	2600	3844		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	17		
Sodium	ppm	ASTM D5185m		42		
Potassium	ppm	ASTM D5185m	>20	144		
Glycol	%	*ASTM D2982		NEG		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.8		
Nitration	Abs/cm	*ASTM D7624	>20	14.6		
Sulfation	Abs/.1mm	*ASTM D7415	>30	30.6		
FLUID DEGRAI	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	27.4		
Base Number (BN)	mg KOH/g	ASTM D2896	>20	4.8		
Dase Mullipel (DIV)	my NOM/g	70 LINI D7030		7.0		

Contact/Location: ROSTY VITER - MILPHINE



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Certificate L2367

Laboratory

Sample No. Lab Number

Unique Number

: 05943317 : 10633929

Received : 06 Sep 2023 : PCA0100796 Diagnosed : 08 Sep 2023 Diagnostician : Don Baldridge

Test Package : MOB 1 (Additional Tests: Glycol, TBN) 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)

MILLER TRUCK LEASING #118

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