

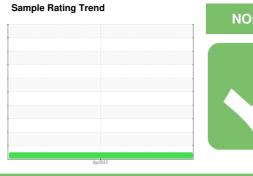
OIL ANALYSIS REPORT

WESTERN STAR 35

Component

Diesel Engine

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





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

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. There is no indication of any contamination in the

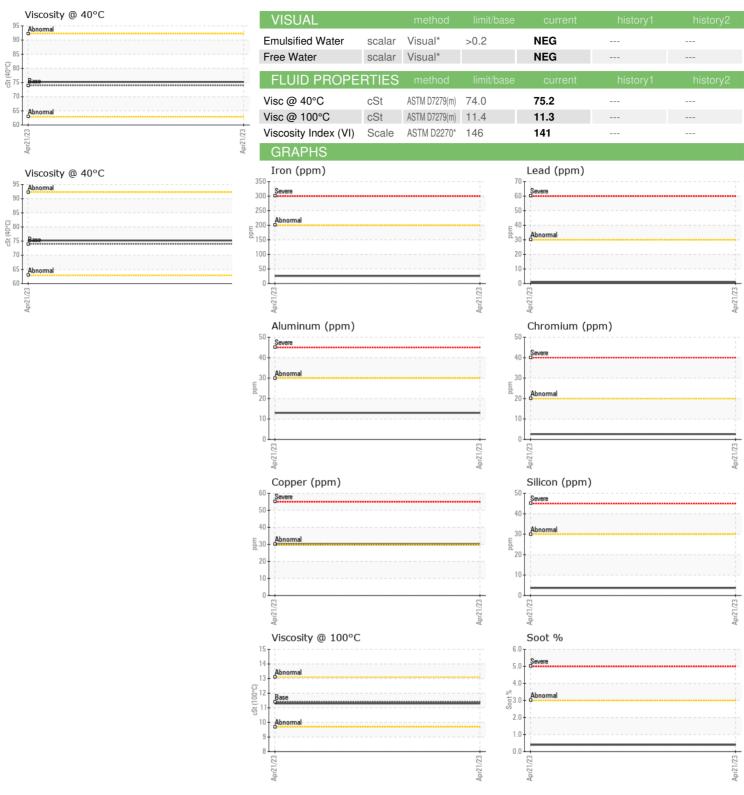
Fluid Condition

The condition of the oil is acceptable for the time in service.

GAL)				Apr2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0073154		
Sample Date		Client Info		21 Apr 2023		
Machine Age	kms	Client Info		632949		
Oil Age	kms	Client Info		72219		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>200	26		
Chromium	ppm	ASTM D5185(m)	>20	3		
Nickel	ppm	ASTM D5185(m)	>2	<1		
Titanium	ppm	ASTM D5185(m)	>2	<1		
Silver	ppm	ASTM D5185(m)	>2	<1		
Aluminum	ppm	ASTM D5185(m)	>30	13		
Lead	ppm	ASTM D5185(m)	>30	<1		
Copper	ppm	ASTM D5185(m)	>30	30		
Tin	ppm	ASTM D5185(m)	>15	<1		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	1	4		
Barium	ppm	ASTM D5185(m)	1	0		
Molybdenum	ppm	ASTM D5185(m)	1	58		
Manganese	ppm	ASTM D5185(m)	1	<1		
Magnesium	ppm	ASTM D5185(m)	10	811		
Calcium	ppm	ASTM D5185(m)	2942	1483		
Phosphorus	ppm	ASTM D5185(m)	1102	1045		
Zinc	ppm	ASTM D5185(m)	1351	1246		
Sulfur	ppm	ASTM D5185(m)	3903	2196		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	4		
Sodium	ppm	ASTM D5185(m)		3		
Potassium	ppm	ASTM D5185(m)	>20	18		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.4		
Nitration	Abs/cm	ASTM D7624*	>20	11.1		
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.5		
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	20.2		



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number Unique Number

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : PC0073154 : 02573152

: 5618203

Received Diagnosed

: 31 Jul 2023 : 31 Jul 2023 Diagnostician : Kevin Marson

Test Package : MOB 1 (Additional Tests: KV40, VI) To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

JEB TRANSPORT 27 WESTVIEW BLVD TABER, AB

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