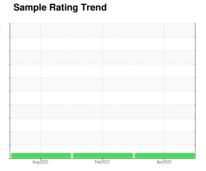


# **OIL ANALYSIS REPORT**



Machine Id 125 Diesel Engine

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





### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

### Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KFS0003995	KFS0002915	KFS0001571
Sample Date		Client Info		15 Apr 2024	28 Feb 2023	23 Aug 2022
Machine Age	hrs	Client Info		7259	6311	5945
Oil Age	hrs	Client Info		948	0	0
Oil Changed	1113	Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	ATTENTION	ATTENTION
CONTAMINATION	J	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	1.3	0.6
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	11	24	16
Chromium	ppm	ASTM D5185m	>20	<1	<1	1
Nickel	ppm	ASTM D5185m	>2	<1	0	0
Titanium	ppm	ASTM D5185m	>2	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	0	1
Lead	ppm	ASTM D5185m	>40	2	2	3
Copper	ppm	ASTM D5185m	>330	1	0	2
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		5	4	13
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		63	59	59
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		874	832	903
Calcium	ppm	ASTM D5185m		1174	1135	1205
Phosphorus	ppm	ASTM D5185m		1032	972	1018
Zinc	ppm	ASTM D5185m		1193	1154	1217
Sulfur	ppm	ASTM D5185m		3150	3041	3019
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	6	4
Sodium	ppm	ASTM D5185m		0	0	1
Potassium	10 10 100	ASTM D5185m	>20	2	2	<1
	ppm					
INFRA-RED	ррш	method	limit/base	current	history1	history2
INFRA-RED Soot %	%		limit/base	current 0.2	history1	history2
		method				
Soot %	%	method *ASTM D7844	>3	0.2	0.3	0.3
Soot % Nitration	% Abs/cm Abs/.1mm	method  *ASTM D7844  *ASTM D7624	>3 >20	0.2 6.8	0.3 7.1	0.3 7.6
Soot % Nitration Sulfation	% Abs/cm Abs/.1mm	method  *ASTM D7844  *ASTM D7624  *ASTM D7415	>3 >20 >30	0.2 6.8 18.9	0.3 7.1 19.0	0.3 7.6 21.5



## **OIL ANALYSIS REPORT**





Certificate 12367

Laboratory Sample No.

: KFS0003995 Lab Number : 06155260 Unique Number : 10990683

Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Apr 2024 **Tested** : 24 Apr 2024

Diagnosed : 24 Apr 2024 - Sean Felton

HARNESS LLC 855 N JAMES CAMPBELL BLVD COLUMBIA, TN US 38401

Contact: BEN HARNESS ben@slectharness.com T: (615)733-4480

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

 $^st$  - 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)

Report Id: HARCOLTN [WUSCAR] 06155260 (Generated: 04/24/2024 09:49:36) Rev: 1

Submitted By: BILL ENYART