

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
TL-9
Component
Diesel Engine

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

Dirtartoolo

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

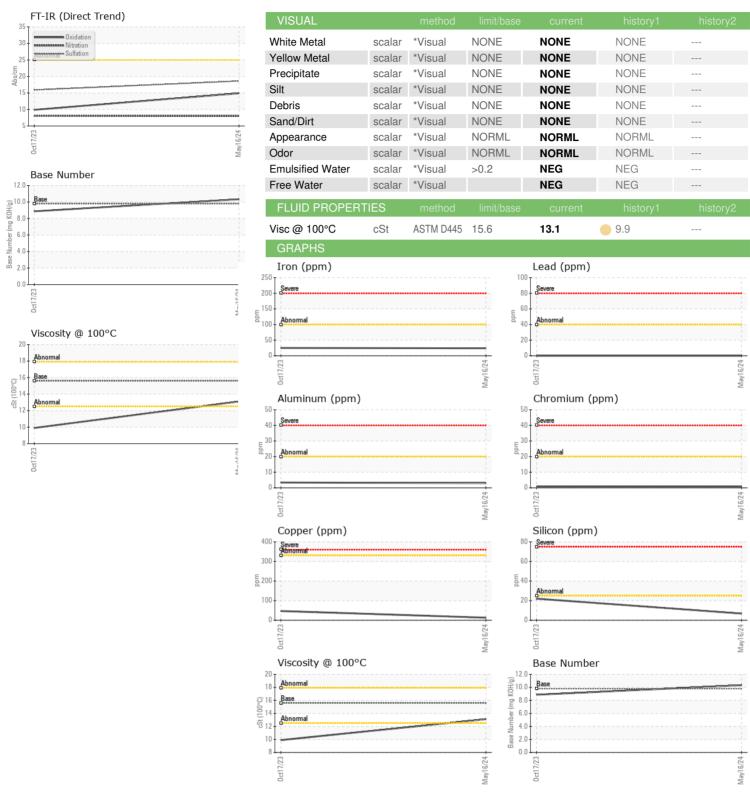
Fluid Condition

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

AL)			0et2023	May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KFS0006097	KFS0004091	
Sample Date		Client Info		16 May 2024	17 Oct 2023	
Machine Age	hrs	Client Info		686	270	
Oil Age	hrs	Client Info		416	0	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	ABNORMAL	
CONTAMINATION	٧	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	▲ 3.8	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	24	25	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm	ASTM D5185m	>4	<1	1	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m	>3	<1	0	
Aluminum	ppm	ASTM D5185m	>20	3	3	
Lead	ppm	ASTM D5185m	>40	0	0	
Copper	ppm	ASTM D5185m	>330	13	47	
Tin	ppm	ASTM D5185m	>15	<1	<1	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		4	117	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		64	140	
Manganese	ppm	ASTM D5185m		<1	2	
Magnesium	ppm	ASTM D5185m		862	80	
Calcium	ppm	ASTM D5185m		1252	2507	
Phosphorus	ppm	ASTM D5185m		1084	431	
Zinc	ppm	ASTM D5185m		1229	591	
Sulfur	ppm	ASTM D5185m		3419	3346	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	7	22	
Sodium	ppm	ASTM D5185m		1	3	
Potassium	ppm	ASTM D5185m	>20	12	<u>129</u>	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.2	
Nitration	Abs/cm	*ASTM D7624	>20	8.0	8.1	
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.6	15.9	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.9	9.9	
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	10.33	8.87	



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Certificate 12367

Laboratory Sample No.

Lab Number : 06185244 Unique Number : 11036570

: KFS0006097 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 : 20 May 2024 **Tested** : 22 May 2024

Diagnosed

: 22 May 2024 - Wes Davis

US 38401 Contact: BEN HARNESS ben@slectharness.com

 st - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (615)733-4480 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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HARNESS LLC

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