

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



FREIGHTLINER 013

Component

Diesel Engine

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

DIAGNOSIS

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

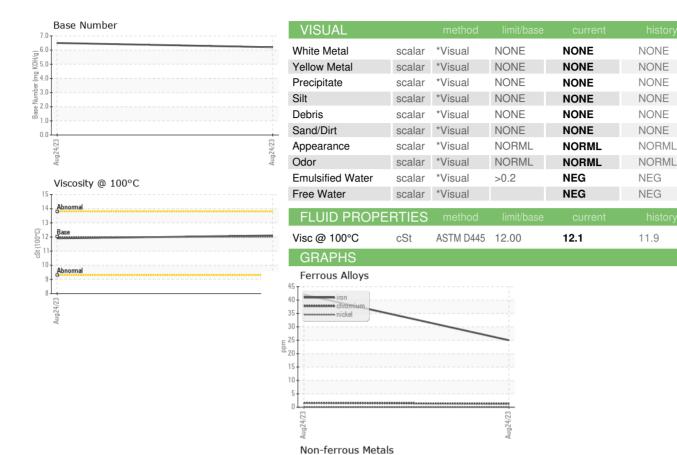
Fluid Condition

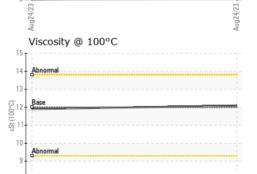
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

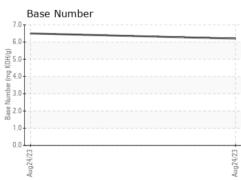
GAL)			Aug2023	Aug2023		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0097548	PCA0097701	
Sample Date		Client Info		24 Aug 2023	24 Aug 2023	
Machine Age	mls	Client Info		534000	558000	
Oil Age	mls	Client Info		0	558000	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	
Glycol		WC Method	70.0	NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
				42	25	
Iron	ppm	ASTM D5185m	>200		1	
Chromium Nickel	ppm	ASTM D5185m		2		
	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m		9	8	
Lead	ppm	ASTM D5185m	>10	0	<1	
Copper	ppm	ASTM D5185m	>50	5	4	
Tin	ppm	ASTM D5185m	>6	<1	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<1	0	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	50	70	66	
Manganese	ppm	ASTM D5185m	0	<1	<1	
Magnesium	ppm	ASTM D5185m	950	1048	1019	
Calcium	ppm	ASTM D5185m	1050	1151	1133	
Phosphorus	ppm	ASTM D5185m	995	1116	1058	
Zinc	ppm	ASTM D5185m	1180	1397	1300	
Sulfur	ppm	ASTM D5185m	2600	3111	2871	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	6	5	
Sodium	ppm	ASTM D5185m		2	2	
Potassium	ppm	ASTM D5185m	>20	6	2	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7	0.6	
Nitration	Abs/cm	*ASTM D7624	>20	11.6	10.5	
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.0	21.8	
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.9	19.4	
Base Number (BN)	mg KOH/g	ASTM D2896		6.2	6.5	
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Certificate L2367

Laboratory Sample No. Lab Number

Unique Number Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0097548 : 05972023 : 10683973

Received Diagnosed Diagnostician

: 06 Oct 2023 : Wes Davis

: 09 Oct 2023

US 60544 Contact: JOSHUA HUBBARD joshua@tvarepairllc.com

T: (815)306-0330

TVA REPAIR LLC

PLAINFIELD, IL

13915 W ROUTE 30

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)

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