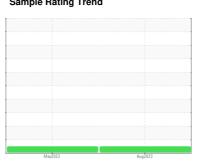


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **2126971**

Component

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- Q

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

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. There is no indication of any contamination in the oil.

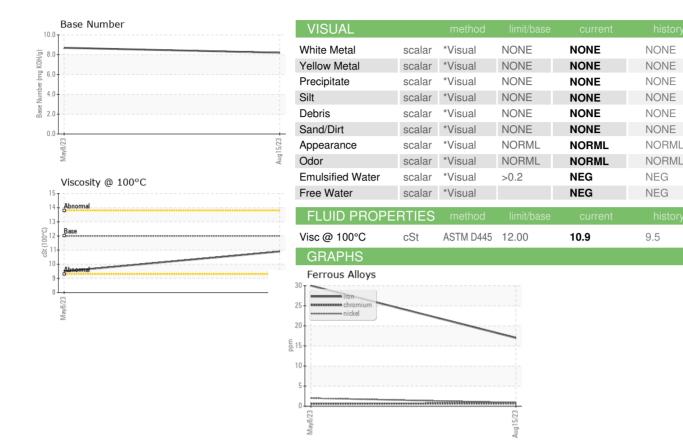
Fluid Condition

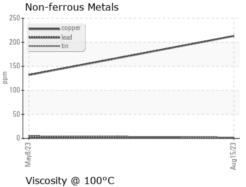
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

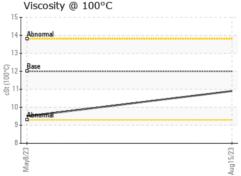
QTS)			May2023	Aug ² 023		
SAMPLE INFORI	ΜΔΤΙΩΝ	method	limit/base	current	history1	history2
	W/ TTIOT		mmbacco			
Sample Number		Client Info		PCA0101675	PCA0092853	
Sample Date		Client Info		15 Aug 2023	08 May 2023	
Machine Age	mls	Client Info		38761	18735	
Oil Age	mls	Client Info		20026	18735	
Oil Changed		Client Info		Not Changd	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	17	30	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm	ASTM D5185m	>4	<1	2	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m	>3	<1	<1	
Aluminum	ppm	ASTM D5185m	>20	22	25	
Lead	ppm	ASTM D5185m	>40	1	3	
Copper	ppm	ASTM D5185m	>330	213	132	
Tin	ppm	ASTM D5185m	>15	2	5	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	14	283	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	50	65	127	
Manganese	ppm	ASTM D5185m	0	1	4	
Magnesium	ppm	ASTM D5185m	950	870	732	
Calcium	ppm	ASTM D5185m	1050	1080	1487	
Phosphorus	ppm	ASTM D5185m	995	958	694	
Zinc	ppm	ASTM D5185m	1180	1153	826	
Sulfur	ppm	ASTM D5185m	2600	3410	2925	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	9	38	
Sodium	ppm	ASTM D5185m		4	6	
Potassium	ppm	ASTM D5185m	>20	59	75	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.3	
Nitration	Abs/cm	*ASTM D7624	>20	8.0	9.3	
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	25.1	
FLUID DEGRA	OITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.5	22.1	
Base Number (BN)	mg KOH/g	ASTM D2896		8.2	8.7	
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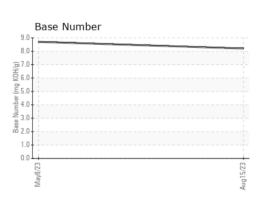


OIL ANALYSIS REPORT













Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: PCA0101675 : 06031153 : 10780944 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Dec 2023 Diagnosed : 12 Dec 2023 : Wes Davis Diagnostician

PERDUE FARMS - GEORGETOWN 20621 SAVANAH RD

GEORGETOWN, DE US 19947

Contact: ROBERT LOCKWOOD Robert.Lockwood@Perdue.com

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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F: