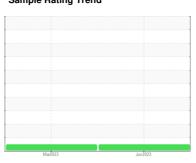


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 8593 Component

Diesel Engine

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

DIAGNOSIS

Recommendation

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

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.

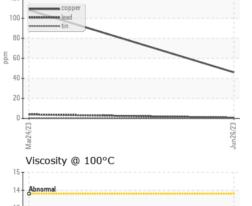
GAL)			Mar2023	Jun 2 023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0088535	PCA0088496	
Sample Date		Client Info		26 Jun 2023	24 Mar 2023	
Machine Age	mls	Client Info		35481	39347	
Oil Age	mls	Client Info		35481	39347	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Glycol		WC Method		NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	50	79	
Chromium	ppm	ASTM D5185m	>20	2	1	
Nickel	ppm	ASTM D5185m	>4	<1	<1	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>20	22	26	
Lead	ppm	ASTM D5185m	>40	<1	4	
Copper	ppm	ASTM D5185m	>330	46	108	
Tin	ppm	ASTM D5185m	>15	<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	4	61	
Barium	ppm	ASTM D5185m	0	1	0	
Molybdenum	ppm	ASTM D5185m	50	73	54	
Manganese	ppm	ASTM D5185m	0	1	4	
Magnesium	ppm	ASTM D5185m	950	1068	357	
Calcium	ppm	ASTM D5185m	1050	1330	1879	
Phosphorus	ppm	ASTM D5185m	995	1127	984	
Zinc	ppm	ASTM D5185m	1180	1391	1308	
Sulfur	ppm	ASTM D5185m	2600	3164	3234	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	11	16	
Sodium	ppm	ASTM D5185m		3	4	
Potassium	ppm	ASTM D5185m	>20	36	56	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.2	1.9	
Nitration	Abs/cm	*ASTM D7624	>20	9.3	11.1	
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.3	25.8	
FLUID DEGRA	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.7	22.8	
Base Number (BN)	mg KOH/g	ASTM D2896		6.6	6.1	

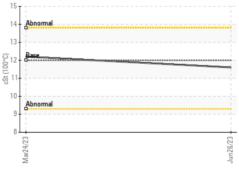
Contact/Location: FRANK DIETZ - MIDFAR

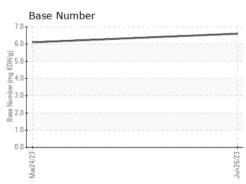


OIL ANALYSIS REPORT













Certificate L2367

Laboratory Sample No.

Lab Number Unique Number Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0088535 : 05927734 : 10607681

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

Received Diagnosed Diagnostician

: 17 Aug 2023 : 18 Aug 2023 : Wes Davis

MIDWEST MOTOR EXPRESS 2169 MUSTANG DR MOUNDS VIEW, MN US 55112

Contact: FRANK DIETZ frank.dietz@mmeinc.com T: (763)225-6382

* - 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)

F: x: