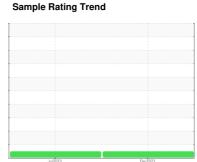


OIL ANALYSIS REPORT







LUBES

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)			Jul2023	Dec2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0109580	PCA0098685	
Sample Date		Client Info		05 Dec 2023	17 Jul 2023	
Machine Age	mls	Client Info		256392	239087	
Oil Age	mls	Client Info		16000	12000	
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	
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	>200	11	9	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm	ASTM D5185m	>2	0	0	
Titanium	ppm	ASTM D5185m	>2	4	<1	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>30	4	3	
Lead	ppm	ASTM D5185m	>30	0	0	
Copper	ppm	ASTM D5185m	>30	3	5	
Tin	ppm	ASTM D5185m	>15	0	<1	
Vanadium	ppm	ASTM D5185m		<1	<1	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	6	3	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	50	57	63	
Manganese	ppm	ASTM D5185m	0	0	<1	
Magnesium	ppm	ASTM D5185m	950	944	997	
Calcium	ppm	ASTM D5185m	1050	1114	1145	
Phosphorus	ppm	ASTM D5185m	995	1019	1022	
Zinc	ppm	ASTM D5185m	1180	1250	1287	
Sulfur	ppm	ASTM D5185m	2600	2920	3566	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	4	2	
Sodium	ppm	ASTM D5185m		2	2	
Potassium	ppm	ASTM D5185m	>20	4	3	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5	0.4	
Nitration	Abs/cm	*ASTM D7624	>20	8.3	8.1	
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.1	19.0	
FLUID DEGRAI	NOITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.4	15.2	
Base Number (BN)	mg KOH/g	ASTM D2896		8.97	8.14	



OIL ANALYSIS REPORT







Laboratory

Sample No. Lab Number **Unique Number**

: 06028832 : 10778623

: PCA0109580 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 07 Dec 2023 : 11 Dec 2023 Diagnosed : Wes Davis Diagnostician

DENNIS K BURKE INC - INTERNAL SAMPLES

555 CONSTITUTION DR TAUNTON, MA US 02780

Contact: GREG DUNKER

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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