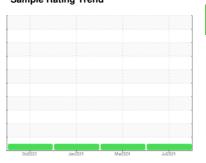


OIL ANALYSIS REPORT

Sample Rating Trend









Machine Id

BM-109
Component
Diesel Engine
Fluid

PETRO CANADA DURON SHP 10W30 (10 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

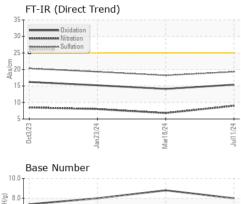
Fluid Condition

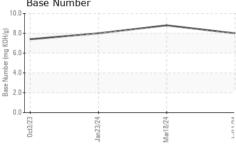
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

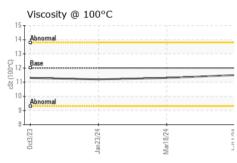
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0130580	PCA0117751	PCA0114021
Sample Date		Client Info		11 Jul 2024	18 Mar 2024	23 Jan 2024
Machine Age	mls	Client Info		244478	222575	210537
Oil Age	mls	Client Info		21903	12038	16473
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	NC	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	19	6	11
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	0	<1
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	4	3	6
Lead	ppm	ASTM D5185m	>40	<1	0	<1
Copper	ppm	ASTM D5185m	>330	4	<1	2
Tin	ppm	ASTM D5185m	>15	<1	0	1
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	1	1	<1
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	50	66	64	52
Manganese	ppm	ASTM D5185m	0	0	0	<1
Magnesium	ppm	ASTM D5185m	950	992	1044	924
Calcium	ppm	ASTM D5185m	1050	1155	1201	1011
Phosphorus	ppm	ASTM D5185m	995	994	1174	996
Zinc	ppm	ASTM D5185m	1180	1315	1362	1143
Sulfur		AOTH DELOE				0707
Sullul	ppm	ASTM D5185m	2600	3033	4121	2727
		method	limit/base	3033 current	4121 history1	history2
CONTAMINANT		method ASTM D5185m				history2
CONTAMINANT Silicon	ΓS	method	limit/base	current	history1	history2
CONTAMINANT Silicon Sodium	ΓS ppm	method ASTM D5185m	limit/base	current 6	history1	history2
CONTAMINANT Silicon Sodium	ppm ppm	method ASTM D5185m ASTM D5185m	limit/base >25	current 6 0	history1 4 2	history2 7 5
CONTAMINANT Silicon Sodium Potassium INFRA-RED	ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >25 >20	current 6 0 7	history1 4 2 2	history2 7 5 5
CONTAMINANT Silicon Sodium Potassium INFRA-RED Soot %	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m method	limit/base >25 >20 limit/base	current 6 0 7 current	history1 4 2 2 history1	history2 7 5 5 history2
CONTAMINANT Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m method *ASTM D7844	limit/base >25 >20 limit/base >4	current 6 0 7 current 0.6	history1 4 2 2 history1 0.3	history2 7 5 5 history2 0.5
CONTAMINANT Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm ppm % Abs/cm Abs/.1mm	method ASTM D5185m ASTM D5185m ASTM D5185m method *ASTM D7844 *ASTM D7624	limit/base >25	current 6 0 7 current 0.6 9.0	history1 4 2 2 history1 0.3 6.8	history2 7 5 5 history2 0.5 8.0
CONTAMINANT Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm ppm % Abs/cm Abs/.1mm	method ASTM D5185m ASTM D5185m ASTM D5185m method *ASTM D7844 *ASTM D7624 *ASTM D7415	limit/base >25	current 6 0 7 current 0.6 9.0 19.3	history1 4 2 2 history1 0.3 6.8 18.2	history2 7 5 5 history2 0.5 8.0 19.3

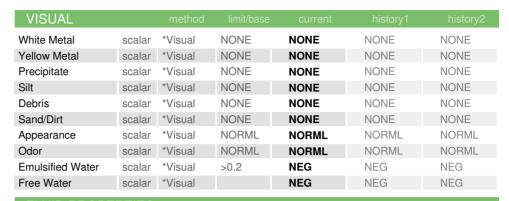


OIL ANALYSIS REPORT



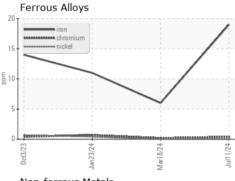


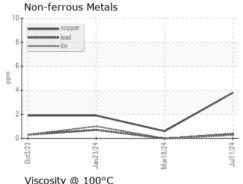


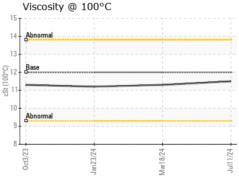


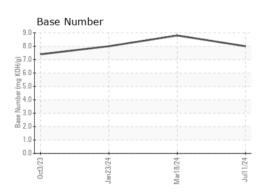
FLUID PROPI	EHILO	method			riistory i	nistoryz
Visc @ 100°C	cSt	ASTM D445	12.00	11.5	11.3	11.2

GRAPHS













Certificate 12367

Laboratory Sample No.

Test Package : FLEET

: PCA0130580 Lab Number : 06235585 Unique Number : 11124419

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Jul 2024 **Tested**

: 15 Jul 2024 Diagnosed : 15 Jul 2024 - Wes Davis **BLUE MAX TRUCKING**

1015 E. WESTINGHOUSE BLVD. CHARLOTTE, NC

US 28273 Contact: Jody Greer

F: (704)588-2901

jgreer@bluemaxtrucking.com T: (980)225-9968

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)