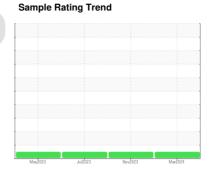


OIL ANALYSIS REPORT

(16093Z) Walgreens - Tractor [Walgreens - Tractor] 136A61412

Diesel Engine

PETRO CANADA DURON SHP 10W30 (11 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

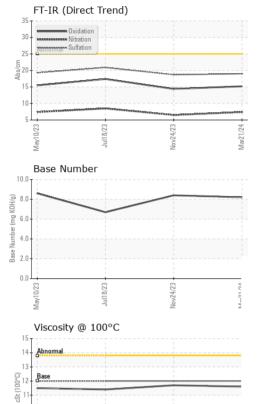
Fluid Condition

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

SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0117893	PCA0105390	PCA0093817
Sample Date		Client Info		21 Mar 2024	24 Nov 2023	18 Jul 2023
Machine Age	mls	Client Info		380760	353930	341946
Oil Age	mls	Client Info		25000	12228	50000
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	8	6	14
Chromium	ppm	ASTM D5185m	>5	<1	<1	2
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>30	6	3	5
Lead	ppm	ASTM D5185m	>30	0	0	0
Copper	ppm	ASTM D5185m	>150	2	3	5
Tin	ppm	ASTM D5185m	>5	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	2	<1	<1
Barium		ASTM D5185m	0	0	0	
Dallulli	ppm	ASTIVI DSTOSIII	U	U	2	0
	ppm	ASTM D5185m	50	63	58	67
Molybdenum Manganese	ppm		50			
Molybdenum		ASTM D5185m	50	63	58	67
Molybdenum Manganese	ppm	ASTM D5185m ASTM D5185m	50	63 <1	58 0	67 <1
Molybdenum Manganese Magnesium	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	50 0 950	63 <1 1039	58 0 887	67 <1 1047
Molybdenum Manganese Magnesium Calcium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	50 0 950 1050	63 <1 1039 1134	58 0 887 1016	67 <1 1047 1157
Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	50 0 950 1050 995	63 <1 1039 1134 1177	58 0 887 1016 912	67 <1 1047 1157 1062
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	50 0 950 1050 995 1180	63 <1 1039 1134 1177 1350	58 0 887 1016 912 1145	67 <1 1047 1157 1062 1337
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	50 0 950 1050 995 1180 2600	63 <1 1039 1134 1177 1350 3631	58 0 887 1016 912 1145 3063	67 <1 1047 1157 1062 1337 3341
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	50 0 950 1050 995 1180 2600 limit/base	63 <1 1039 1134 1177 1350 3631	58 0 887 1016 912 1145 3063 history1	67 <1 1047 1157 1062 1337 3341 history2
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m Method ASTM D5185m	50 0 950 1050 995 1180 2600 limit/base	63 <1 1039 1134 1177 1350 3631 current	58 0 887 1016 912 1145 3063 history1	67 <1 1047 1157 1062 1337 3341 history2
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	50 0 950 1050 995 1180 2600 limit/base >20	63 <1 1039 1134 1177 1350 3631 current 6 <1	58 0 887 1016 912 1145 3063 history1 4	67 <1 1047 1157 1062 1337 3341 history2 6 <1
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	50 0 950 1050 995 1180 2600 limit/base >20	63 <1 1039 1134 1177 1350 3631 current 6 <1 2	58 0 887 1016 912 1145 3063 history1 4 0 3	67 <1 1047 1157 1062 1337 3341 history2 6 <1 2
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	50 0 950 1050 995 1180 2600 limit/base >20 >20 limit/base >3	63 <1 1039 1134 1177 1350 3631 current 6 <1 2 current	58 0 887 1016 912 1145 3063 history1 4 0 3	67 <1 1047 1157 1062 1337 3341 history2 6 <1 2 history2
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot %	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m Method ASTM D5185m Method *ASTM D7844	50 0 950 1050 995 1180 2600 limit/base >20 >20 limit/base >3	63 <1 1039 1134 1177 1350 3631 current 6 <1 2 current	58 0 887 1016 912 1145 3063 history1 4 0 3 history1 0.3	67 <1 1047 1157 1062 1337 3341 history2 6 <1 2 history2 0.5
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D76185m ASTM D76185m ASTM D7844 *ASTM D7624 *ASTM D76185	50 0 950 1050 995 1180 2600 limit/base >20 >20	63 <1 1039 1134 1177 1350 3631 current 6 <1 2 current 0.4 7.4	58 0 887 1016 912 1145 3063 history1 4 0 3 history1 0.3 6.5	67 <1 1047 1157 1062 1337 3341 history2 6 <1 2 history2 0.5 8.5
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D76185m ASTM D76185m ASTM D7844 *ASTM D7624 *ASTM D76185	50 0 950 1050 995 1180 2600 limit/base >20 >20 limit/base >3 >20 >30	63 <1 1039 1134 1177 1350 3631 current 6 <1 2 current 0.4 7.4 19.0	58 0 887 1016 912 1145 3063 history1 4 0 3 history1 0.3 6.5 18.7	67 <1 1047 1157 1062 1337 3341 history2 6 <1 2 history2 0.5 8.5 20.9



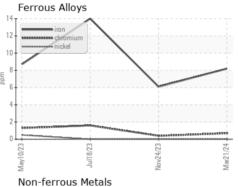
OIL ANALYSIS REPORT



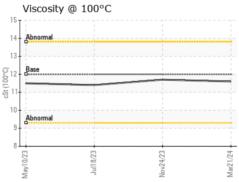
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

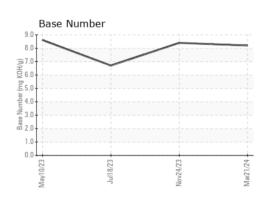
FLUID PROPE	RTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	12.00	11.6	11.7	11.4

GRAPHS



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Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0117893 Lab Number : 06149962 Unique Number : 10980040

Test Package : FLEET

Received : 16 Apr 2024 **Tested** : 17 Apr 2024 Diagnosed

: 17 Apr 2024 - Wes Davis

Transervice - Shop 1366 - Berkeley-Woodland

2370 East Main Street Woodland, CA US 95776

Contact: Gary Mann gmann@transervice.com T: (530)666-7771

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)

F: (530)406-7971