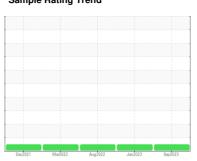


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id T4356 Component

Diesel Engine

MOBIL DELVAC 1300 SUPER15W40 (--- 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

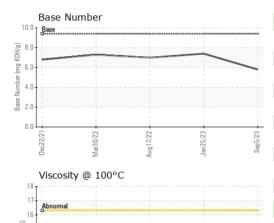
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0085456	PCA0085429	PCA0076208
Sample Date		Client Info		05 Sep 2023	25 Jan 2023	17 Aug 2022
Machine Age	mls	Client Info		561042	546874	524562
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	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
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	21	18	23
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>30	5	5	5
Lead	ppm	ASTM D5185m	>30	8	6	13
Copper	ppm	ASTM D5185m	>150	<1	1	2
Tin	ppm	ASTM D5185m	>5	<1	<1	<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	0	87	143	115
Barium	ppm	ASTM D5185m	0	0	0	<1
			-	_		
Molybdenum		ASTM D5185m	0	126	125	128
Molybdenum Manganese	ppm	ASTM D5185m	0	126 <1	125	128
Manganese	ppm	ASTM D5185m		<1	<1	<1
Manganese Magnesium	ppm ppm	ASTM D5185m ASTM D5185m	0	<1 689	<1 664	<1 689
Manganese Magnesium Calcium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		<1 689 1641	<1 664 1554	<1 689 1614
Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		<1 689 1641 702	<1 664 1554 667	<1 689 1614 706
Manganese Magnesium Calcium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		<1 689 1641	<1 664 1554	<1 689 1614
Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		<1 689 1641 702 887	<1 664 1554 667 883	<1 689 1614 706 903
Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 limit/base	<1 689 1641 702 887 2843	<1 664 1554 667 883 2805	<1 689 1614 706 903 2303
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 limit/base	<1 689 1641 702 887 2843	<1 664 1554 667 883 2805 history1	<1 689 1614 706 903 2303 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 limit/base >20	<1 689 1641 702 887 2843 current	<1 664 1554 667 883 2805 history1	<1 689 1614 706 903 2303 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 limit/base >20	<1 689 1641 702 887 2843 current 7	<1 664 1554 667 883 2805 history1 9 <1	<1 689 1614 706 903 2303 history2 8 <1
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	0 limit/base >20 >20 limit/base	<1 689 1641 702 887 2843 current 7 2 3 current	<1 664 1554 667 883 2805 history1 9 <1 3 history1	<1 689 1614 706 903 2303 history2 8 <1 0
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot %	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	0 limit/base >20 s20 limit/base >3	<1 689 1641 702 887 2843 current 7 2 3 current 0.5	<1 664 1554 667 883 2805 history1 9 <1 3 history1 0.4	<1 689 1614 706 903 2303 history2 8 <1 0 history2 0.5
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >20 >20 limit/base >3 >20	<1 689 1641 702 887 2843 current 7 2 3 current 0.5 11.7	<1 664 1554 667 883 2805 history1 9 <1 3 history1 0.4 11.3	<1 689 1614 706 903 2303 history2 8 <1 0 history2 0.5 13.5
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm	ASTM D5185m ASTM D7844 *ASTM D7624 *ASTM D7415	0 limit/base >20	<1 689 1641 702 887 2843 current 7 2 3 current 0.5 11.7 27.9	<1 664 1554 667 883 2805 history1 9 <1 3 history1 0.4 11.3 26.6	<1 689 1614 706 903 2303 history2 8 <1 0 history2 0.5 13.5 30.6
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation FLUID DEGRAE	ppm	ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method *ASTM D7844 *ASTM D7624 *ASTM D7415 Method	limit/base >20 >20 limit/base >3 >20 >3 limit/base	<1 689 1641 702 887 2843 current 7 2 3 current 0.5 11.7 27.9 current	<1 664 1554 667 883 2805 history1 9 <1 3 history1 0.4 11.3 26.6 history1	<1 689 1614 706 903 2303 history2 8 <1 0 history2 0.5 13.5 30.6 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm	ASTM D5185m ASTM D7844 *ASTM D7624 *ASTM D7415	0 limit/base >20	<1 689 1641 702 887 2843 current 7 2 3 current 0.5 11.7 27.9	<1 664 1554 667 883 2805 history1 9 <1 3 history1 0.4 11.3 26.6	<1 689 1614 706 903 2303 history2 8 <1 0 history2 0.5 13.5 30.6



12

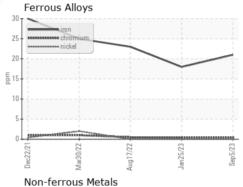
OIL ANALYSIS REPORT

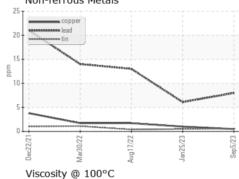


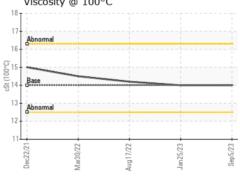
VISUAL		method				history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	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

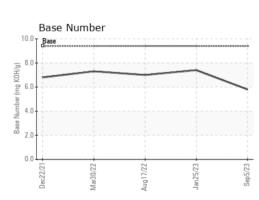
FLUID PROPI	EKITES	metnoa	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	14	14.0	14.0	14.2

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number

Unique Number Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0085456 : 05945083 : 10635695

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

Received Diagnosed

: 07 Sep 2023 : 10 Sep 2023 Diagnostician : Don Baldridge

Ergon Trucking Inc. - MAG601 11337 State Route 800 Magnolia, OH US 44643

Contact: Eddy Smith eddy.smith@ergon.com T:

* - 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: