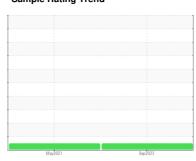


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 607332 Component

Diesel Engine

NOT GIVEN (--- QTS)

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

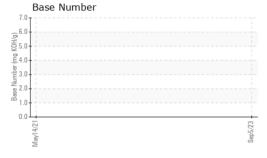
Fluid Condition

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

			May2021	Sep2023		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0105836	PCA0047192	
Sample Date		Client Info		05 Sep 2023	14 May 2021	
Machine Age	mls	Client Info		182651	0	
Oil Age	mls	Client Info		33684	0	
Oil Changed		Client Info		Changed	Changed	
Sample Status		0		NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Glycol		WC Method		NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	22	14	
Chromium	ppm	ASTM D5185m	>20	2	1	
Nickel	ppm	ASTM D5185m	>4	<1	<1	
Titanium	ppm	ASTM D5185m		14	<1	
Silver	ppm	ASTM D5185m	>3	<1	<1	
Aluminum	ppm	ASTM D5185m	>20	16	6	
Lead	ppm	ASTM D5185m	>40	0	2	
Copper	ppm	ASTM D5185m	>330	8	<1	
Tin	ppm	ASTM D5185m	>15	<1	1	
Antimony	ppm	ASTM D5185m			<1	
Vanadium	ppm	ASTM D5185m		<1	<1	
Cadmium	ppm	ASTM D5185m		0	<1	
	- - · · ·	710 TW D0 T00111		U	_ 1	
ADDITIVES	Perm	method	limit/base	current	history1	history2
			limit/base	current	history1	
ADDITIVES	ppm	method	limit/base			history2
ADDITIVES Boron Barium	ppm	method ASTM D5185m	limit/base	current 9	history1	history2
ADDITIVES Boron Barium Molybdenum	ppm ppm	method ASTM D5185m ASTM D5185m	limit/base	current 9 0	history1 13 0	history2
ADDITIVES Boron Barium Molybdenum Manganese	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 9 0 54	history1 13 0 63	history2
ADDITIVES Boron Barium Molybdenum	ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 9 0 54	history1 13 0 63 <1	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 9 0 54 1 939	history1 13 0 63 <1 1002	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm ppm ppm	method ASTM D5185m	limit/base	current 9 0 54 1 939 1280	history1 13 0 63 <1 1002 1228	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 9 0 54 1 939 1280 1046	history1 13 0 63 <1 1002 1228 1096	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	limit/base	current 9 0 54 1 939 1280 1046 1374	history1 13 0 63 <1 1002 1228 1096 1357	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	limit/base	current 9 0 54 1 939 1280 1046 1374 3617	history1 13 0 63 <1 1002 1228 1096 1357 2981	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	limit/base	current 9 0 54 1 939 1280 1046 1374 3617 current	history1 13 0 63 <1 1002 1228 1096 1357 2981 history1	history2 history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	limit/base	current 9 0 54 1 939 1280 1046 1374 3617 current 5	history1 13 0 63 <1 1002 1228 1096 1357 2981 history1 4	history2 history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm	method ASTM D5185m	limit/base >25 >20	current 9 0 54 1 939 1280 1046 1374 3617 current 5	history1 13 0 63 <1 1002 1228 1096 1357 2981 history1 4	history2 history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	ppm	method ASTM D5185m	limit/base >25 >20	current 9 0 54 1 939 1280 1046 1374 3617 current 5 2 19	history1 13 0 63 <1 1002 1228 1096 1357 2981 history1 4 1	history2 history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	limit/base >25 >20 >5 limit/base	current 9 0 54 1 939 1280 1046 1374 3617 current 5 2 19 <1.0 current	history1 13 0 63 <1 1002 1228 1096 1357 2981 history1 4 1 13 <1.0 history1	history2 history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED Soot %	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	limit/base >25 >20 >5 limit/base >3	current 9 0 54 1 939 1280 1046 1374 3617 current 5 2 19 <1.0 current 0.6	history1 13 0 63 <1 1002 1228 1096 1357 2981 history1 4 1 13 <1.0 history1 0.3	history2 history2 history2 history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration	ppm	method ASTM D5185m method ASTM D5185m ASTM D7844 *ASTM D7844	limit/base >25	current 9 0 54 1 939 1280 1046 1374 3617 current 5 2 19 <1.0 current 0.6 9.1	history1 13 0 63 <1 1002 1228 1096 1357 2981 history1 4 1 13 <1.0 history1 0.3 8.5	history2 history2 history2 history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation	ppm	method ASTM D5185m ASTM D7845 *ASTM D7844 *ASTM D7624 *ASTM D76185m	limit/base >25 >20 >5 limit/base >3 >20 >30 >30	current 9 0 54 1 939 1280 1046 1374 3617 current 5 2 19 <1.0 current 0.6 9.1 20.1	history1 13 0 63 <1 1002 1228 1096 1357 2981 history1 4 1 13 <1.0 history1 0.3 8.5 20.5	history2 history2 history2 history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation FLUID DEGRAE	ppm	method ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7844 *ASTM D7844 *ASTM D7844 *ASTM D7844 *ASTM D7844	limit/base >25 >20 >5 limit/base >3 >20 >30 limit/base	current 9 0 54 1 939 1280 1046 1374 3617 current 5 2 19 <1.0 current 0.6 9.1 20.1 current	history1 13 0 63 <1 1002 1228 1096 1357 2981 history1 4 1 13 <1.0 history1 0.3 8.5 20.5 history1	history2 history2 history2 history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation	ppm	method ASTM D5185m ASTM D7845 *ASTM D7844 *ASTM D7624 *ASTM D76185m	limit/base >25 >20 >5 limit/base >3 >20 >30 limit/base	current 9 0 54 1 939 1280 1046 1374 3617 current 5 2 19 <1.0 current 0.6 9.1 20.1	history1 13 0 63 <1 1002 1228 1096 1357 2981 history1 4 1 13 <1.0 history1 0.3 8.5 20.5	history2 history2 history2 history2

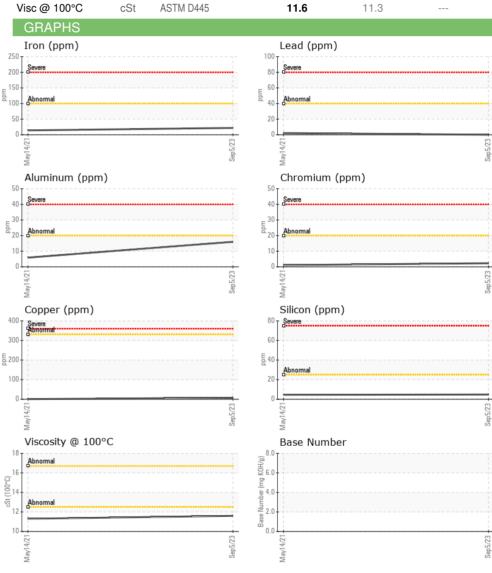


OIL ANALYSIS REPORT



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

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17 - Abnormal		 	
16-			
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(2) 15 00) 14 73 13 Abnormal		 	
12-			
11-		 	
10			
4/2			
May14/21			





Laboratory Sample No. Lab Number **Unique Number**

: 05946972 : 10642931

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0105836 Received : 11 Sep 2023

Diagnosed : 13 Sep 2023 Diagnostician : Don Baldridge

Test Package: MOB 1 (Additional Tests: FuelDilution, PercentFuel, TBN) 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)

MILLER TRUCK LEASING #114

63 REPAUPO STATION ROAD LOGAN TOWNSHIP, NJ US 08085

Contact: ED DAVIS edavis@millertransgroup.com

T: (856)214-3521

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Report Id: MILLOG [WUSCAR] 05946972 (Generated: 09/13/2023 11:26:38) Rev: 1

Contact/Location: ED DAVIS - MILLOG