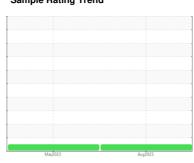


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 1667 Component

Diesel Engine

CHEVRON DELO 400 LE 15W40 (--- 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

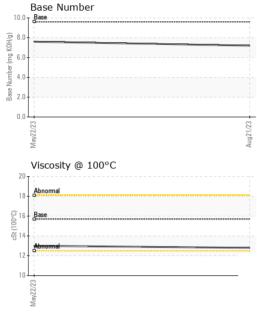
Fluid Condition

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

			May2023	Aug2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0081101	PCA0081104	
Sample Date		Client Info		21 Aug 2023	22 May 2023	
Machine Age	mls	Client Info		279352	257982	
Oil Age	mls	Client Info		257982	0	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Glycol		WC Method		NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	8	14	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm	ASTM D5185m	>4	<1	<1	
Titanium	ppm	ASTM D5185m		0	<1	
Silver	ppm	ASTM D5185m	>3	0	<1	
Aluminum	ppm	ASTM D5185m	>20	4	6	
Lead	ppm	ASTM D5185m	>40	<1	0	
Copper	ppm	ASTM D5185m	>330	1	10	
Tin	ppm		>15	0	<1	
Vanadium	ppm	ASTM D5185m		0	<1	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method				history2
ADDITIVES Boron	ppm	method ASTM D5185m	limit/base	current 131	history1 165	history2
	ppm		limit/base			,
Boron Barium		ASTM D5185m	limit/base	131	165	
Boron Barium Molybdenum	ppm	ASTM D5185m ASTM D5185m	limit/base	131 2	165 0	
Boron Barium Molybdenum Manganese	ppm	ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	131 2 107	165 0 114	
Boron Barium Molybdenum Manganese	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	131 2 107 <1	165 0 114 <1	
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	131 2 107 <1 343	165 0 114 <1 624	
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		131 2 107 <1 343 1773	165 0 114 <1 624 1553	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	1200	131 2 107 <1 343 1773 888	165 0 114 <1 624 1553 795	
Boron Barium 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 ASTM D5185m ASTM D5185m	1200 1300	131 2 107 <1 343 1773 888 1030 3153	165 0 114 <1 624 1553 795 961	
Boron Barium 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 ASTM D5185m ASTM D5185m	1200 1300 3200 limit/base	131 2 107 <1 343 1773 888 1030 3153	165 0 114 <1 624 1553 795 961 3096	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	1200 1300 3200 limit/base	131 2 107 <1 343 1773 888 1030 3153 current	165 0 114 <1 624 1553 795 961 3096 history1	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	1200 1300 3200 limit/base	131 2 107 <1 343 1773 888 1030 3153 current	165 0 114 <1 624 1553 795 961 3096 history1	history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm	ASTM D5185m	1200 1300 3200 limit/base	131 2 107 <1 343 1773 888 1030 3153 current 8 3	165 0 114 <1 624 1553 795 961 3096 history1 8 3	history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	ppm	ASTM D5185m	1200 1300 3200 limit/base >25 >20	131 2 107 <1 343 1773 888 1030 3153 current 8 3	165 0 114 <1 624 1553 795 961 3096 history1 8 3	history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	ppm	ASTM D5185m	1200 1300 3200 limit/base >25 >20	131 2 107 <1 343 1773 888 1030 3153 current 8 3 6	165 0 114 <1 624 1553 795 961 3096 history1 8 3 8	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot %	ppm	ASTM D5185m method *ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	1200 1300 3200 limit/base >25 >20 limit/base >3	131 2 107 <1 343 1773 888 1030 3153 current 8 3 8 current 0.2	165 0 114 <1 624 1553 795 961 3096 history1 8 3 8 history1 0.3	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm	ASTM D5185m method *ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method *ASTM D7844 *ASTM D7624 *ASTM D76145	1200 1300 3200 limit/base >25 >20 limit/base >3 >20	131 2 107 <1 343 1773 888 1030 3153 current 8 3 8 current 0.2 9.0 20.8	165 0 114 <1 624 1553 795 961 3096 history1 8 3 8 history1 0.3 9.5	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm	ASTM D5185m method *ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method *ASTM D7844 *ASTM D7624 *ASTM D76145	1200 1300 3200 limit/base >25 >20 limit/base >3 >20 >30	131 2 107 <1 343 1773 888 1030 3153 current 8 3 8 current 0.2 9.0 20.8	165 0 114 <1 624 1553 795 961 3096 history1 8 3 8 history1 0.3 9.5 22.8	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation FLUID DEGRAI	ppm	ASTM D5185m METHOD *ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m METHOD *ASTM D7844 *ASTM D7624 *ASTM D7415 METHOD	1200 1300 3200 limit/base >25 >20 limit/base >3 >20 >30 limit/base	131 2 107 <1 343 1773 888 1030 3153 current 8 3 8 current 0.2 9.0 20.8 current	165 0 114 <1 624 1553 795 961 3096 history1 8 3 8 history1 0.3 9.5 22.8 history1	history2 history2 history2



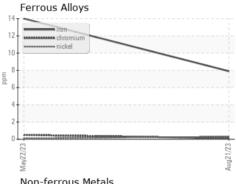
OIL ANALYSIS REPORT



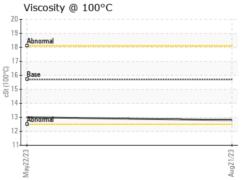
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	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	
	DTIEO	ام مالم میں	li.ee:4/le e e e		الاستعادا	la i a t a un . O

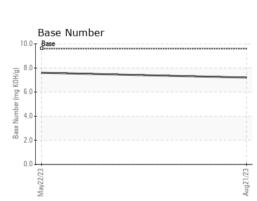
FLUID PROPI	ERHES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	15.7	12.8	13.0	

GRAPHS



	Non-remous Metals	
	10 copper i	
	8 - Reserves lead	
mdd	6	
dd	4	
	2	
	0	
	May22/23	Aua21/23
	Viscosity @ 100°C	









Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10621818 Test Package : FLEET

: PCA0081101 : 05936547

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

: 28 Aug 2023 Diagnosed Diagnostician : Wes Davis

: 29 Aug 2023

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)

Ergon Trucking Inc. - PET108 929 US Highway 11 North

Petal, MS US 39465

Contact: Earlo Duck earlo.duck@ergon.com

T: F:

Report Id: ERGPET108 [WUSCAR] 05936547 (Generated: 08/29/2023 19:02:01) Rev: 1

Submitted By: Owen Grace