

OIL ANALYSIS REPORT

Sample Rating Trend

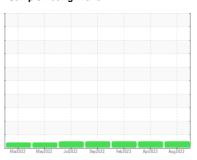




COLORADO/443 46.104L [COLORADO^443]

Diesel Engine

MOBIL DELVAC 1300 SUPER15W40 (4 GAL)





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

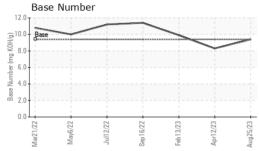
Fluid Condition

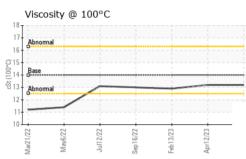
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

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SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0823145	WC0799138	WC0749930
Sample Date		Client Info		25 Aug 2023	12 Apr 2023	13 Feb 2023
Machine Age	hrs	Client Info		1819	1547	1303
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	18	24	16
Chromium	ppm	ASTM D5185m		<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm		>25	9	15	13
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m		<1	2	2
Tin	ppm		>15	<1	0	0
Vanadium	ppm	ASTM D5185m	710	0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
	PP		::-			
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	48	37	55
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	40	42	42
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	537	519	483
Calcium	ppm	ASTM D5185m		1732	1770	1715
Phosphorus	ppm	ASTM D5185m		777	755	772
Zinc	ppm	ASTM D5185m		960	929	913
Sulfur	ppm	ASTM D5185m		3110	2943	2385
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	7	7
Sodium	ppm	ASTM D5185m		2	<1	2
Potassium	ppm	ASTM D5185m	>20	1	0	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.4	0.3
Nitration	Abs/cm	*ASTM D7624	>20	7.3	7.9	6.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.7	20.3	22.0
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.7	20.1	20.0
Base Number (BN)	mg KOH/q	ASTM D2896	9.4	9.4	8.3	9.9



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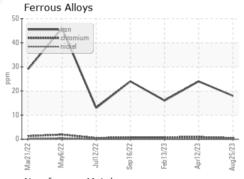


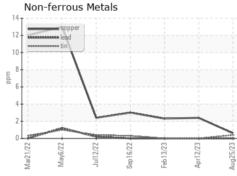


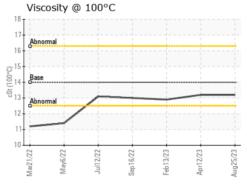
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

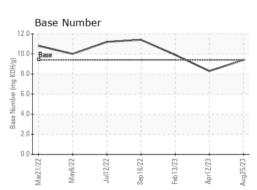
FLUID PROPERI	IES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	14	13.2	13.2	12.9

GRAPHS













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

: WC0823145 : 05938600 : 10629212

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 30 Aug 2023 Diagnosed

: 31 Aug 2023 Diagnostician : Wes Davis Test Package : CONST (Additional Tests: 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)

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