

WEAR NORMAL CONTAMINATION ABNORMAL FLUID CONDITION NORMAL



Mobile Fleet 5000 5000

Diesel Engine

MOBIL DELVAC 1300 SUPER15W40 (17 GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
O'll and fillen shares at the time of a secolar has been acted. No	Sample Number		Client Info		WC0918683	WC0885967	WC0862117
Oil and filter change at the time of sampling has been noted. No	Sample Date	le con	Client Info		18 Apr 2024	24 Jan 2024	25 Sep 2023
corrective action is recommended at this time. Resample at the next	Machine Age	nrs	Client Info		22497	21922	21338
service interval to monitor.	Oil Age	nrs	Client Info		575	584	643
	Cil Changed	nrs	Client Info		5/5 Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status		Ollent IIIO			ABNORMAL	ABNORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	24	43	62
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
	Nickel	ppm	ASTM D5185m	>2	0	0	<1
	Titanium	ppm	ASTM D5185m	>2	0	0	0
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>25	1	<1	1
	Coppor	ppm	ASTM D5105III	>40	0	0	24
	Tin	ppm	ASTM D5185m	>15	-1	-1	1
	Vanadium	ppm	ASTM D5185m	210	0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	4	4	6
	Potassium	ppm	ASTM D5185m	>20	<1	0	2
There is a high amount of particulates present in the oil.	Fuel		WC Method	>5	<1.0	<1.0	<1.0
	vvater		WC Method	>0.2	NEG	NEG	NEG
		0/		. 0	NEG 0.7	NEG	NEG
	SUUL 76	70 Abc/om	*ASTM D7624	>0	0.7	0.9	9.0
	Sulfation	Abs/1mm	*ASTM D7415	>30	22.9	23.7	24.4
	Particles >4um	/ 100/.111111	ASTM D7647	200	14433	9570	22993
	Particles >6um		ASTM D7647	>1300	A 7862	▲ 5213	12526
	Particles >14µm		ASTM D7647	>160	1338	A 887	A 2132
	Particles >21µm		ASTM D7647	>40	4 51	<u> </u>	<u> </u>
	Particles >38µm		ASTM D7647	>10	A 70	🔺 46	🔺 111
	Particles >71µm		ASTM D7647	>3	<u> </u>	<u> </u>	<u> </u>
	Oil Cleanliness		ISO 4406 (c)	>/17/14	<u> </u>	🔺 20/20/17	▲ 22/21/18
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris Const/Dirt	scalar	^Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NORM	NONE	NORM	NORM
	Odor	scalar	*Visual	NORM	NORML	NORMI	NORM
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	3	2
	Boron	ppm	ASTM D5185m	0	41	27	23
The BN result indicates that there is suitable alkalinity remaining in the	Barium	ppm	ASTM D5185m	0	0	0	0
oil. The condition of the oil is suitable for further service.	Molybdenum	ppm	ASTM D5185m	0	45	46	43
	Manganese	ppm	ASTM D5185m	0	<1	<1	<1
	Caloium	ppm	ASTM D5185M	0	49/	4/0	4/5
	Phosphorus	ppm	ASTM D5185m		770	759	747
	Zinc	ppm	ASTM D5185m		876	897	944
	Sulfur	ppm	ASTM D5185m		2863	2564	2590

Oxidation

Visc @ 100°C cSt

19.8

9.1

12.6

20.7

8.3

12.3

21.1

8.0

12.5

Abs/.1mm *ASTM D7414 >25

ASTM D445 14

Base Number (BN) mg KOH/g ASTM D2896 9.4



Contact/Location: Leigh Dennis - CARBUTNC Page 2 of 2