

WEAR NORMAL CONTAMINATION ABNORMAL FLUID CONDITION ABNORMAL



Mobile Fleet 5009 5009

Diesel Engine

MOBIL DELVAC 1300 SUPER15W40 (24 GAL)

DECOMMENDATION	Teet		Mathad	Limit/Abn	Current	Llisterut	Liston ()
RECOMMENDATION	Test	UOM	Method	Limit/Abn	WC0919098	History1 WC0744827	History2
Oil and filter change at the time of sampling has been noted. Resample	Sample Number Sample Date		Client Info Client Info		12 Apr 2024	03 Oct 2022	WC0716713
at the next service interval to monitor.	Machine Age	hrs	Client Info		14974	11484	25 Aug 2022 11298
	Oil Age	hrs	Client Info		221	210	548
	Filter Age	hrs	Client Info		221	210	548
	Oil Changed	1115	Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status		Ollent III0		ABNORMAL	ABNORMAL	ABNORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	5	5	24
	Chromium	ppm	ASTM D5185m	>20	0	0	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>2	0	1	0
	Titanium	ppm	ASTM D5185m	>2	1	<1	0
	Silver	ppm	ASTM D5185m	>2	0	0	<1
	Aluminum	ppm	ASTM D5185m	>25	2	3	6
	Lead	ppm	ASTM D5185m	>40	0	<1	<1
	Copper	ppm	ASTM D5185m	>330	<1	<1	2
	Tin	ppm	ASTM D5185m	>15	1	<1	<1
	Vanadium	ppm	ASTM D5185m		0	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	nnm	ASTM D5185m	> 25	5	6	6
CONTAMINATION	Potassium	ppm	ASTM D5185m		0	0	0
Light fuel dilution occurring.	Fuel	ppm %	ASTM D3765III ASTM D3524		▲ 4.1	▲ 3.0	6.6
	Water	70	WC Method		NEG	NEG	NEG
	Glycol		WC Method	20.L	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.2	0.2	0.6
	Nitration	Abs/cm	*ASTM D7624	>20	6.6	6.6	9.7
	Sulfation		*ASTM D7415		20.4	22.5	22.1
	Particles >4µm		ASTM D7647		2218	2540	10005
	Particles >6µm		ASTM D7647	>5000	1209	1384	5450
	Particles >14µm		ASTM D7647	>640	206	236	928
	Particles >21µm		ASTM D7647	>160	69	79	312
	Particles >38µm		ASTM D7647	>40	11	12	48
	Particles >71µm		ASTM D7647	>10	1	1	5
	Oil Cleanliness		ISO 4406 (c)	>21/19/16	18/17/15	19/18/15	21/20/17
	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 Emulsified Water	scalar scalar	*Visual *Visual	NORML	NORML NEG	NORML NEG	NORML NEG
		Scalar	VISUAI	>0.2		INEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		4	3	4
	Boron	ppm	ASTM D5185m	0	51	40	24
Fuel is present in the oil and is lowering the viscosity. The BN result	Barium	ppm	ASTM D5185m		0	0	<1
indicates that there is suitable alkalinity remaining in the oil.	Molybdenum	ppm	ASTM D5185m		39	40	47
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m	0	461	477	451
	Calcium	ppm	ASTM D5185m		1582	1518	1443
	Phosphorus	ppm	ASTM D5185m		662	704	642
	Zinc	ppm	ASTM D5185m		766	836	798
	Sulfur	ppm	ASTM D5185m		2754	2465	2173
	Oxidation		*ASTM D7414	>25	18.7	20.1	20.4
	Hooo Number (DNI)	makal	VE 11/10000	0.4	0.0	11 0	() ()

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

ASTM D445 14

Visc @ 100°C cSt

11.3

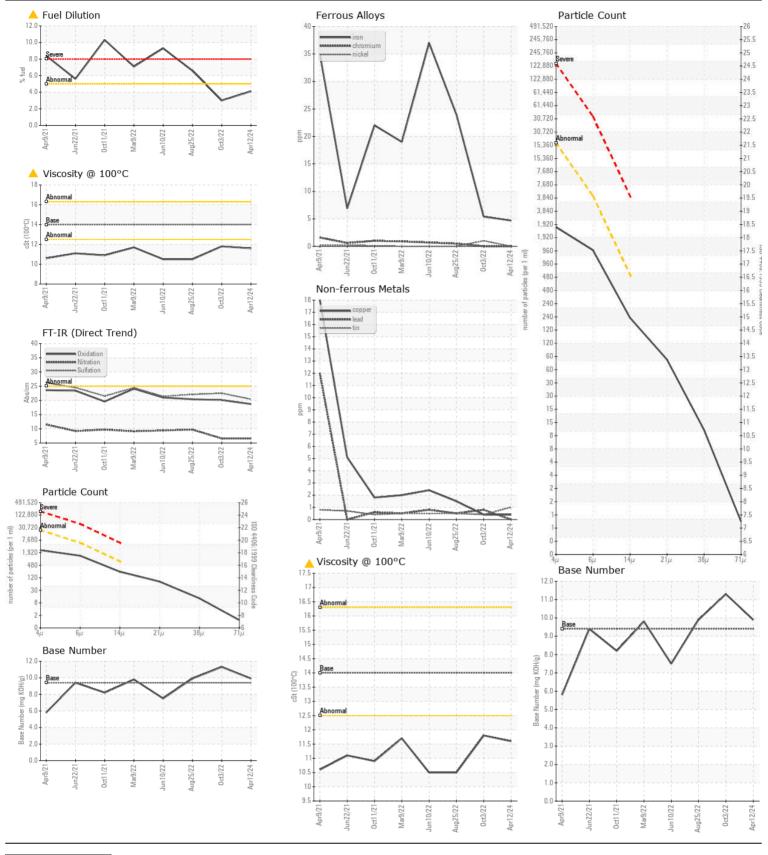
11.8

9.9

10.5

9.9

11.6



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