

Contracting 5524 5524

Component Diesel Engine

MOBIL DELVAC 1300 SUPER15W40 (3 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is a moderate amount of particulates present 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.

	Test Sample Number	UOM	Method Client Info	Limit/Abn	Cı W(urrent 20937798	History1 WC0867208	History2 WC0794006
	Sample Date		Client Info		29	May 2024	27 Oct 2023	20 Mar 2023
	Machine Age	hrs	Client Info		61	68	5721	5104
	Oil Age	hrs	Client Info		54	7	702	611
	Filter Age	hrs	Client Info		54	7	702	611
	Oil Changed		Client Info		Cł	nanged	Changed	Changed
	Filter Changed		Client Info		Cł	nanged	Changed	Changed
	Sample Status				AT	TENTION	NORMAL	ATTENTION
	Iron	ppm	ASTM D5185m	>80		16	31	12
	Chromium	ppm	ASTM D5185m	>6		0	1	<1
	Nickel	npm	ASTM D5185m	>2		0	<1	0
	Titanium	nnm	ASTM D5185m	>2		-1 ∠1	<1	<1
	Silvor	nom	ASTM D5185m	~2		0	0	0
	Aluminum	ppm	ASTM D5185m	> 20		7	10	1
	Auminum	ppm	ASTM D5105m	>20		0	0	4
	Centrer	ppm		>95	_	U 1	0	1
	Copper	ррп	ASTIVI DOTODIII	C0<		<1	2	4
		ppm	ASTM D5185m	>9	_	<1	1	< 1
	vanadium	ppm	ASTM D5185m	NONE		U	<	0
	White Metal	scalar	^Visual	NONE		NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE		NONE	NONE	NONE
	Ciliaan		ACTM DE105m	. 05		10	20	0
	Silicon	ppm		>25		16	20	9
	Potassium	ppm	ASTM D5185m	>20		0	3	1.0
	Fuel		WC Method	>4.0		<1.0	<1.0	<1.0
	water		WC Method	>0.1		NEG	NEG	NEG
	Glycol	0/	WC Method			NEG	NEG	NEG
	Soot %	%	^ASTM D/844			0.5	0.9	0.4
	Nitration	Abs/cm	*ASTM D/624	>20		8.2	9.4	1.1
	Sulfation	Abs/.1mm	*ASIM D/415	>30		20.8	22.6	21.1
	Particles >4µm		ASTM D/64/	>20000		13128	6299	9457
	Particles >6µm		ASTM D/64/	>5000		7151	3431	5152
	Particles >14µm		ASTM D7647	>640		1217	584	8//
	Particles >21µm		ASIM D/64/	>160		410	197	295
	Particles >38µm		ASTM D7647	>40		63	30	- 46
	Particles >71µm		ASTM D7647	>10		6	3	5
	Oil Cleanliness		ISO 4406 (c)	>21/19/16		21/20/17	20/19/16	20/20/17
	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	scalar	*Visual	NORML		NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.1		NEG	NEG	NEG
	Codium		ACTM DE105m			^	7	0
	Boron	ppm	ASTIVI DOTODITI	0	_	42	/	2
	Doron	ppm	ACTM DE105m	0		43	-1	52
	Darium	ppm	ASTIVI DOTODITI	0		47	< 1	0
	Mongonaco	ppm		0			75	-1
	Maggariese	ppm	ACTM DE105	0		<1	< 1	< 1
	Calaium	ppm		0		321	002	592
	Calcium	ppm	ASTN D5185M			105/	2350	1596
	Phosphorus	ppm	ASTM D5185m			/91	1186	739
	ZINC	ppm	ASTM D5185m			953	1488	920
	Sultur	ppm	ASTM D5185m	0.5		2774	4386	2988
	Oxidation	Abs/.1mm	^ASIM D7414	>25		19.6	21.7	18.3
	Base Number (BN)	mg KOH/g	ASTM D2896	9.4		7.8	10.0	9.8
	Visc @ 100°C	cSt	ASTM D445	14		13.1	14.1	13.5



 Certificate 12367
 Test Package
 : CONST (Additional Tests: PrtCount, TBN)
 Contact: Leigh Dennis

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 rdennis@thesunrockgroup.com

 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 T: (919)575-4505

 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)
 F: (919)575-0162

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