

WEAR NORMAL CONTAMINATION ATTENTION FLUID CONDITION ATTENTION

CATERPILLAR END DUMP/773B ED-6

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

Check for low coolant level. We advise that you check for the source of the coolant leak. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

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All component wear rates are normal.

RECOMMENDATION

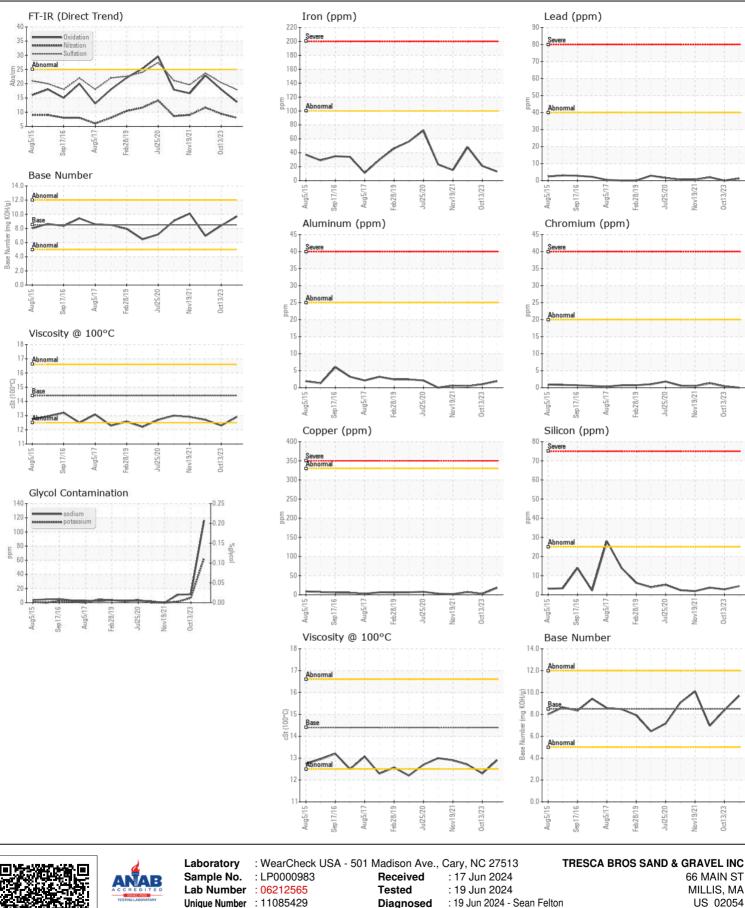
CONTAMINATION

Sodium and/or potassium levels are high.

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil.

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	Test	UOM	Method	Limit/Abn	Current	History1	History2
,	Sample Number		Client Info		LP0000983	LP0000507	WC0721157
ce of	Sample Date		Client Info		12 Jun 2024	13 Oct 2023	20 Dec 2022
een	Machine Age	hrs	Client Info		49399	48937	41672
	Oil Age	hrs	Client Info		500	500	500
	Filter Age	hrs	Client Info		500	500	500
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ATTENTION	MARGINAL	NORMAL
	Iron	ppm	ASTM D5185m	>100	13	21	48
	Chromium	ppm	ASTM D5185m	>20	0	<1	1
	Nickel	ppm	ASTM D5185m	>2	<1	<1	1
	Titanium	ppm	ASTM D5185m	>2	0	0	<1
	Silver	ppm	ASTM D5185m	>2	<1	0	0
	Aluminum	ppm	ASTM D5185m	>25	2	1	<1
	Lead	ppm	ASTM D5185m	>40	1	0	2
	Copper	ppm	ASTM D5185m	>330	18	2	7
	Tin	ppm	ASTM D5185m	>15	<1	0	1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Ciliaan			. 05	4	0	4
	Silicon Potassium	ppm	ASTM D5185m	>25	4 63	3 7	4
	Fuel	ppm	ASTM D5185m WC Method	>20 >5		/ ▲ 4.3	<1.0
	Water				<1.0 NEG	A.3 NEG	<1.0 NEG
		%	WC Method	>0.2			
	Glycol Soot %	%	*ASTM D2982 *ASTM D7844	. 0	NEG 0.2	NEG 0.5	NEG
	Nitration	70 Abs/cm	*ASTM D7644	>3 >20	0.2 8.0	9.4	0.8
	Sulfation	Abs/.1mm	*ASTM D7024	>30	17.9	20.4	23.7
	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		*Visual	>0.2	NEG	NEG	NEG
		304141	visual	20.2		NLG	NEG
	Sodium	ppm	ASTM D5185m	>158	116	12	11
	Boron	ppm	ASTM D5185m	250	14	3	9
the	Barium	ppm	ASTM D5185m	10	0	0	12
	Molybdenum	ppm	ASTM D5185m	100	75	63	56
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m	450	663	914	777
	Calcium	ppm	ASTM D5185m	3000	1337	1079	968
	Phosphorus	ppm	ASTM D5185m	1150	1055	1046	832
	Zinc	ppm	ASTM D5185m	1350	1178	1261	1036
	Sulfur	ppm	ASTM D5185m	4250	3861	3097	2628
	Oxidation	Abs/.1mm	*ASTM D7414	>25	13.6	18.0	22.9
	Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.70	8.39	6.95
	Visc @ 100°C	cSt	ASTM D445	14.4	12.9	12.3	12.7
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Diagnosed Test Package : MOB 2 (Additional Tests: Glycol) Contact: JACK GALIANO Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. jgaliano@trescaconcrete.com * - 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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