

Machine Id

Machine Id 6029141							
Component							
DIESEL ENGINE OIL SAE 10W30 (QTS)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
RECOMMENDATION	Sample Number	UOIVI	Client Info	LIIIII/ADII	IL06217770	IL05390529	
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Date		Client Info		23 Jun 2024	02 Nov 2021	
	Machine Age	mls	Client Info		0	021100/2021	
	Oil Age	mls	Client Info		0	0	
	Filter Age	mls	Client Info		0	0	
	Oil Changed		Client Info		N/A	N/A	
	Filter Changed		Client Info		N/A	N/A	
	Sample Status				ABNORMAL	ABNORMAL	
	·····						
WEAR	Iron	ppm	ASTM D5185m		82	39	
The aluminum level is abnormal. All other component wear rates are normal.	Chromium	ppm	ASTM D5185m		2	1	
	Nickel	ppm	ASTM D5185m	>4	0	1	
	Titanium	ppm	ASTM D5185m		0	0	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m		▲ 32	▲ 23	
	Lead	ppm	ASTM D5185m		0	3	
	Copper	ppm	ASTM D5185m		2	1	
	Tin Vanadium	ppm	ASTM D5185m ASTM D5185m	>15	0	<1 0	
	White Metal	ppm	*Visual	NONE	<1 NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
		scalar	visual	NONE		NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	13	8	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	13	32	
	Fuel		WC Method	>5	<1.0	1.6	
	Water		WC Method	>0.2	NEG	NEG	
	Glycol	%	*ASTM D2982		NEG	NEG	
	Soot %	%	*ASTM D7844	>3	1	0.5	
	Nitration	Abs/cm	*ASTM D7624	>20	13.6	9.6	
	Sulfation	Abs/.1mm	*ASTM D7415		23.6	19	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor Emulsified Water	scalar	*Visual *Visual	NORML	NORML NEG	NORML NEG	
		scalar	visual	>0.2	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		3	3	
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m	250	26	44	
	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m	100	47	16	
	Manganese	ppm	ASTM D5185m		1	<1	
	Magnesium	ppm	ASTM D5185m	450	514	700	
	Calcium	ppm	ASTM D5185m	3000	1844	1334	
	Phosphorus	ppm	ASTM D5185m	1150	821	723	
	Zinc	ppm	ASTM D5185m		970	829	
	Cultur	10 10 100	ACTM DE10Em	1050	0754	0600	

Sulfur

Oxidation

Visc @ 100°C cSt

ppm ASTM D5185m 4250

ASTM D445 10.9

Abs/.1mm *ASTM D7414 >25

Base Number (BN) mg KOH/g ASTM D2896 8.5

2639

12.5

7.4

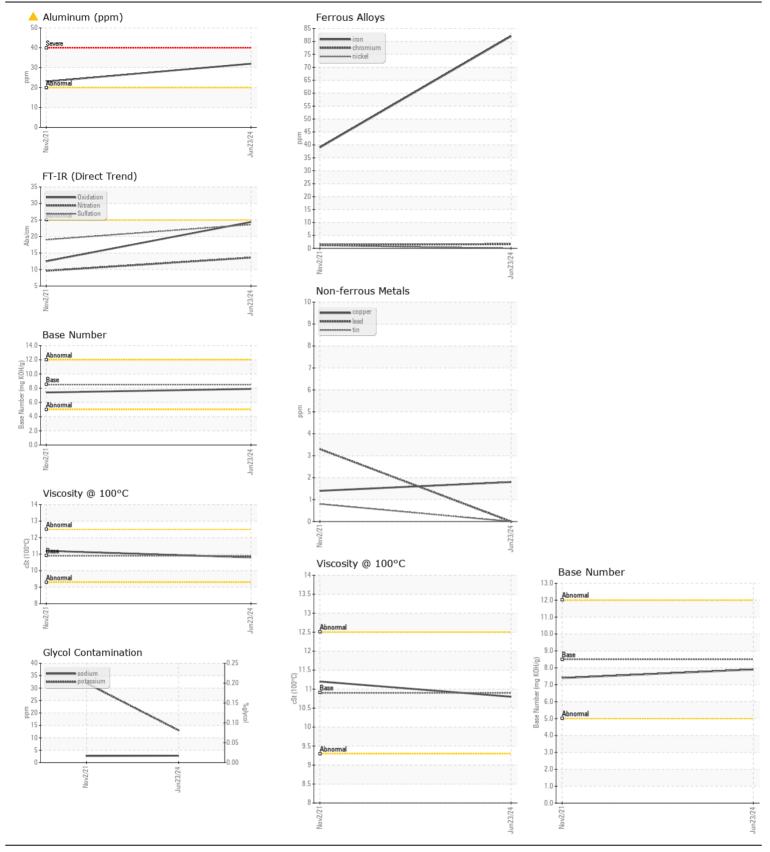
11.2

2754

24.4

7.9

10.8



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **IDEALEASE-NORCROSS** Sample No. : IL06217770 Received 4571 NORTH BUFORD HWY : 24 Jun 2024 Lab Number : 06217770 Tested NORCROSS, GA : 25 Jun 2024 Unique Number : 11095967 : 25 Jun 2024 - Don Baldridge US 30071-2808 Diagnosed Test Package : FLEET (Additional Tests: Glycol) Contact: RICK MARKS Certificate L2367 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. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Contact/Location: RICK MARKS - IDENORGA Page 2 of 2