

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

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## Machine Id BELL B30E B93A631EK03410551

Component Diesel Engine

{not provided} (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Number		Client Info		BE0023320		
	Sample Date		Client Info		20 Feb 2024		
	Machine Age	hrs	Client Info		500		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAR	PQ		ASTM D8184	>79	16		
	Iron	ppm	ASTM D5185m		40		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	1		
	Nickel	ppm	ASTM D5185m	>4	<1		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m	>3	0		
	Aluminum	ppm	ASTM D5185m	>20	15		
	Lead	ppm	ASTM D5185m	>40	0		
	Copper	ppm	ASTM D5185m	>330	22		
	Tin	ppm	ASTM D5185m	>15	2		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	> 25	7		
CONTAMINATION	Potassium	ppm	ASTM D5185m		4		
Fuel content negligible. There is no indication of any contamination in the oil.	Fuel	ррш %		>20	4 0.4		
	Water	70	WC Method		NEG		
	Glycol		WC Method	20.2	NEG		
	Soot %	%	*ASTM D7844	~3	0.7		
	Nitration	Abs/cm		>20	10.9		
	Sulfation	Abs/.1mm	*ASTM D7024		18.2		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water		*Visual	>0.2	NEG		
		Scalai	visuai	>0.2			
FLUID CONDITION	Sodium	ppm	ASTM D5185m		6		
	Boron	ppm	ASTM D5185m		91		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		<1		
	Molybdenum	ppm	ASTM D5185m		41		
	Manganese	ppm	ASTM D5185m		6		
	Magnesium	ppm	ASTM D5185m		808		
	Calcium	ppm	ASTM D5185m		1177		
	Phosphorus	ppm	ASTM D5185m		674		

Zinc

Sulfur

Oxidation

Visc @ 40°C

ppm

Base Number (BN) mg KOH/g ASTM D2896

cSt

Visc @ 100°C cSt ASTM D445

Viscosity Index (VI) Scale ASTM D2270

ASTM D5185m

Abs/.1mm \*ASTM D7414 >25

ASTM D445

ppm ASTM D5185m

737

2199

14.7

7.1

70.8

11.6

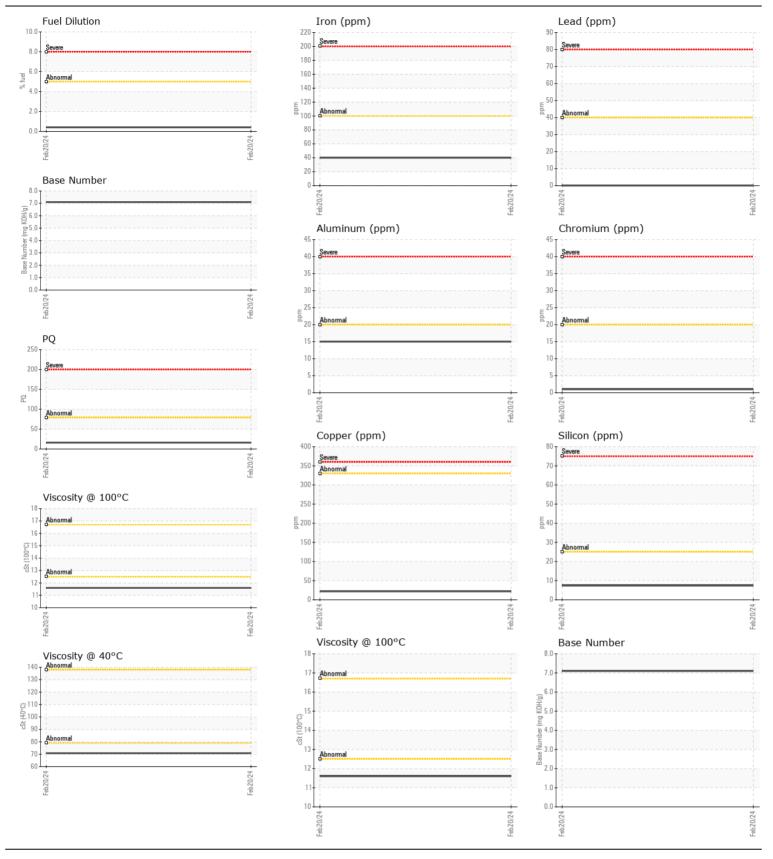
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Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Wakarusa Heavy Equipment Sample No. Received 66349 State Road 19 : BE0023320 : 23 Feb 2024 È Lab Number : 06098276 Tested : 27 Feb 2024 Wakarusa, IN Unique Number : 10896506 : 28 Feb 2024 - Jonathan Hester US 46573 Diagnosed Test Package : MOBCE ( Additional Tests: FuelDilution, PercentFuel ) Contact: Service Manager 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: F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: ?