

OIL ANALYSIS REPORT

Sample Rating Trend

DIRT

Machine Id **E19**Component

Diesel Engine

NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

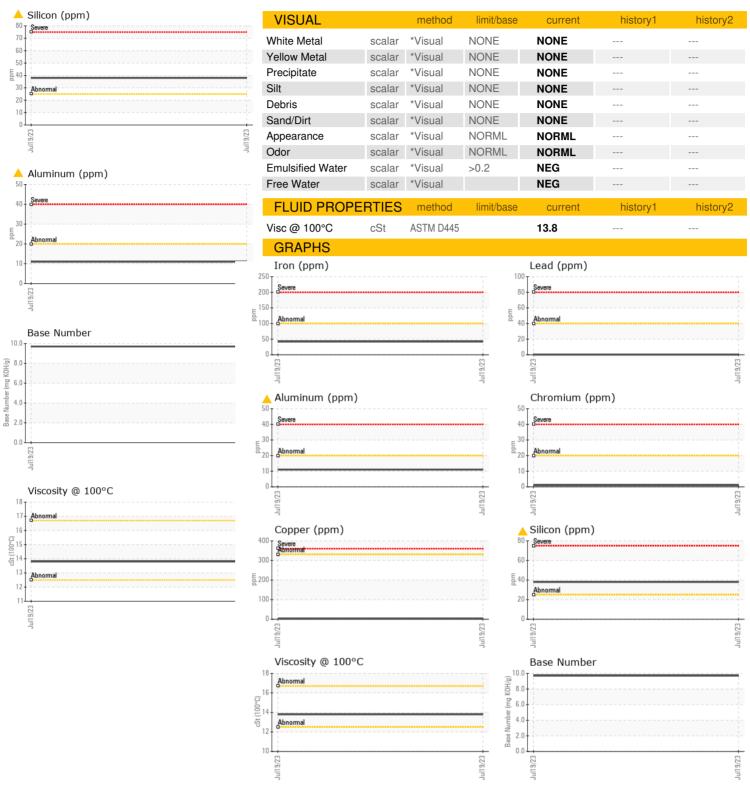
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

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				Jul2023			
SAMPLE INFORI	MATION	method	limit/base	current	hi	story1	history2
Sample Number		Client Info		PCA0090491		,	
Sample Date		Client Info		19 Jul 2023			
Machine Age	hrs	Client Info		9580			
Oil Age	hrs	Client Info		9580			
Oil Changed	1115	Client Info		9360 N/A			
Sample Status		Olletti Ittio		ABNORMAL			
·	IONI	and the section	1111/1				
CONTAMINAT	ION	method	limit/base	current	ni	story1	history2
Fuel		WC Method	>5	<1.0			
Glycol		WC Method		NEG			
WEAR METAL	S	method	limit/base	current	hi	story1	history2
Iron	ppm	ASTM D5185m	>100	42			
Chromium	ppm	ASTM D5185m	>20	1			
Nickel	ppm	ASTM D5185m	>4	<1			
Titanium	ppm	ASTM D5185m		<1			
Silver	ppm	ASTM D5185m	>3	0			
Aluminum	ppm	ASTM D5185m	>20	<u> </u>			
Lead	ppm	ASTM D5185m	>40	<1			
Copper	ppm	ASTM D5185m	>330	4			
Tin	ppm	ASTM D5185m	>15	<1			
Vanadium	ppm	ASTM D5185m		0			
Cadmium	ppm	ASTM D5185m		0			
ADDITIVES		method	limit/base	current	hi	story1	history2
Boron	ppm	ASTM D5185m		2			
Barium	ppm	ASTM D5185m		2			
Molybdenum	ppm	ASTM D5185m		68			
Manganese	ppm	ASTM D5185m		<1			
Magnesium	ppm	ASTM D5185m		1009			
Calcium	ppm	ASTM D5185m		1168			
Phosphorus	ppm	ASTM D5185m		1049			
Zinc	ppm	ASTM D5185m		1326			
Sulfur	ppm	ASTM D5185m		2929			
CONTAMINAN	TS	method	limit/base	current	hi	story1	history2
Silicon	ppm	ASTM D5185m	>25	▲ 38			
Sodium	ppm	ASTM D5185m		7			
Potassium	ppm	ASTM D5185m	>20	6			
INFRA-RED		method	limit/base	current	hi	story1	history2
Soot %	%	*ASTM D7844	>3	0.7			
Nitration	Abs/cm	*ASTM D7624	>20	8.7			
Sulfation	Abs/.1mm		>30	21.5			
FLUID DEGRA	DATION	method	limit/base	current	hi	story1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.7			
Base Number (BN)		ASTM D2896	, _0	9.70			
Dago (DIV)	ing itoring	AOTHI DE000		0.70			



OIL ANALYSIS REPORT





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: 05904520

: PCA0090491 : 10565876 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 21 Jul 2023 Diagnosed : 26 Jul 2023 Diagnostician : Don Baldridge

WIN Waste Innovations - Shop # - Taunton 565 WINTHROP ST TAUNTON, MA

US 02780 Contact: Dave Wilson dwilson@win-waste.com

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.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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