WEAR CONTAMINATION **FLUID CONDITION**

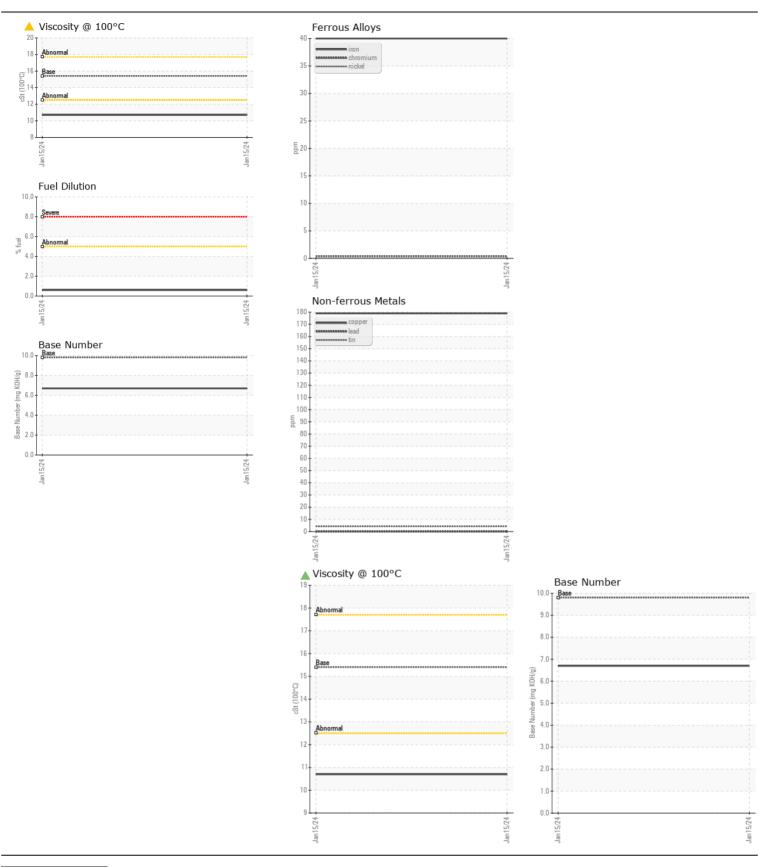
NORMAL NORMAL ATTENTION

Machine Id

8765

Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		NL0001839		
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Date		Client Info		15 Jan 2024		
	Machine Age	mls	Client Info		36034		
	Oil Age	mls	Client Info		36000		
	Filter Age	mls	Client Info		36000		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				ATTENTION		
VEAR	Iron	ppm	ASTM D5185m	>100	40		
WEATT	Chromium	ppm	ASTM D5185m		<1		
Metal levels are typical for a new component breaking in.	Nickel	ppm	ASTM D5185m		<1		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m	>3	0		
	Aluminum	ppm	ASTM D5185m		6		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		179		
	Tin	ppm	ASTM D5185m	>15	4		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon		ACTM DE10E	05	40		
	Potassium	ppm	ASTM D5185m ASTM D5185m		40 17		
Fuel content negligible. There is no indication of any contamination in the oil.	Fuel	ppm %	ASTM D3163111		0.6		
	Water	70	WC Method		NEG		
	Glycol		WC Method	>0.2	NEG		
	Soot %	%	*ASTM D7844	\3	0.5		
	Nitration	Abs/cm	*ASTM D7624		10.5		
	Sulfation	Abs/.1mm	*ASTM D7415		24.0		
	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	scalar	*Visual	>0.2	NEG		
THE CONDITION	Cadiona		ACTM DE105		•		
LUID CONDITION	Sodium	ppm	ASTM D5185m	0	0		
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.	Boron Barium	ppm	ASTM D5185m ASTM D5185m		85 <1		
	Molybdenum	ppm	ASTM D5185m		108		
	Manganese	ppm	ASTM D5185m		2		
	Magnesium	ppm	ASTM D5185m		685		
	Calcium	ppm	ASTM D5105m		1343		
	Phosphorus	ppm	ASTM D5185m		742		
	Zinc	ppm	ASTM D5185m		865		
	Sulfur	ppm	ASTM D5185m		2289		
	Oxidation	Abs/.1mm	*ASTM D7414		22.4		
	Base Number (BN)		ASTM D2896		6.7		
	Visc @ 100°C	cSt	ASTM D445		▲ 10.7		





Laboratory Unique Number: 10858788

Sample No. Lab Number : 06076697

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : NL0001839

Received **Tested**

Diagnosed **Test Package**: FLEET (Additional Tests: FuelDilution, PercentFuel)

: 01 Feb 2024 : 05 Feb 2024

: 05 Feb 2024 - Jonathan Hester

FOX & JAMES NATIONALEASE - Manassas 1145 INDUSTRIAL RD

MANASSAS, VA US 20109 Contact: JOSH ROLAND

j.roland@foxandjames.com T: (571)379-5296

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)

F: