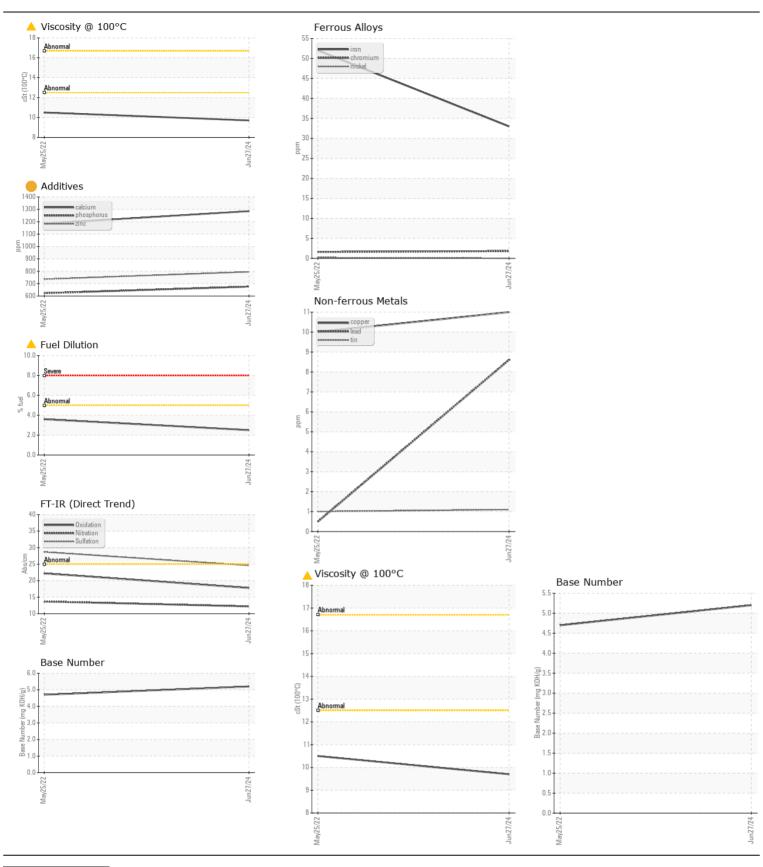
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL MARGINAL ABNORMAL

MILLERS TEXTILE - WAPAK

WORKHORSE MTS14

	T 4	11014	NA-AL-	1.59741	· ·	118-4- 4	111-7
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		NL0002110	NL0000903	
	Sample Date	.aala	Client Info		27 Jun 2024	25 May 2022	
	Machine Age	mls	Client Info		166262	145293	
	Oil Age	mls	Client Info		166262 0	145293 0	
	Filter Age Oil Changed	mls	Client Info		N/A	N/A	
	Filter Changed		Client Info		N/A N/A	N/A	
	Sample Status		Olletti IIIIO		ABNORMAL	ABNORMAL	
VEAR	Iron	ppm	ASTM D5185m	>100	33	52	
	Chromium	ppm	ASTM D5185m	>20	2	2	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>4	0	<1	
	Titanium	ppm	ASTM D5185m		0	0	
	Silver	ppm	ASTM D5185m	>3	0	<1	
	Aluminum	ppm	ASTM D5185m	>20	4	11	
	Lead	ppm	ASTM D5185m	>40	9	<1	
	Copper	ppm	ASTM D5185m	>330	11	10	
	Tin	ppm	ASTM D5185m	>15	1	1	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONT A MINIATION	Ciliana		ACTM DE10E	05	00	10	
CONTAMINATION	Silicon	ppm	ASTM D5185m		20	18	
Light fuel dilution occurring.	Potassium	ppm	ASTM D5185m		2	<1	
	Fuel	%	ASTM D3524	>5	▲ 2.5 NEG	▲ 3.6	
	Water		WC Method	>0.2		NEG NEG	
	Glycol Soot %	%	*ASTM D7844	. 2	NEG 0.1	0.1	
	Nitration	Abs/cm	*ASTM D7624	>20	12.2	13.7	
	Sulfation	Abs/.1mm	*ASTM D7024		24.6	28.7	
	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	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water			>0.2	NEG	NEG	
LUID CONDITION	Sodium	ppm	ASTM D5185m		11	5	
The DN yearst indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		45	46	
The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		67	69	
	Manganese	ppm	ASTM D5185m		<1	<1	
	Magnesium	ppm	ASTM D5185m		508	471	
	Calcium	ppm	ASTM D5185m		1285	1185	
	Phosphorus	ppm	ASTM D5185m		676	623	
	Zinc	ppm	ASTM D5185m		795	736	
	Sulfur	ppm	ASTM D5185m		3135	2647	
	Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414	>25	17.8 5.2	22.2 4.7	







Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06229428

: NL0002110 Unique Number : 11112921

Received **Tested**

: 10 Jul 2024 Diagnosed Test Package: FLEET (Additional Tests: FuelDilution, PercentFuel)

: 10 Jul 2024 - Wes Davis

: 05 Jul 2024

3452 St. Johns Rd. LIMA, OH US 45804 Contact: Mason Reinhold

KIRK NATIONALEASE - SHOP 54

shop54@knl.cc T: (419)229-3848 F: (419)229-1395

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)