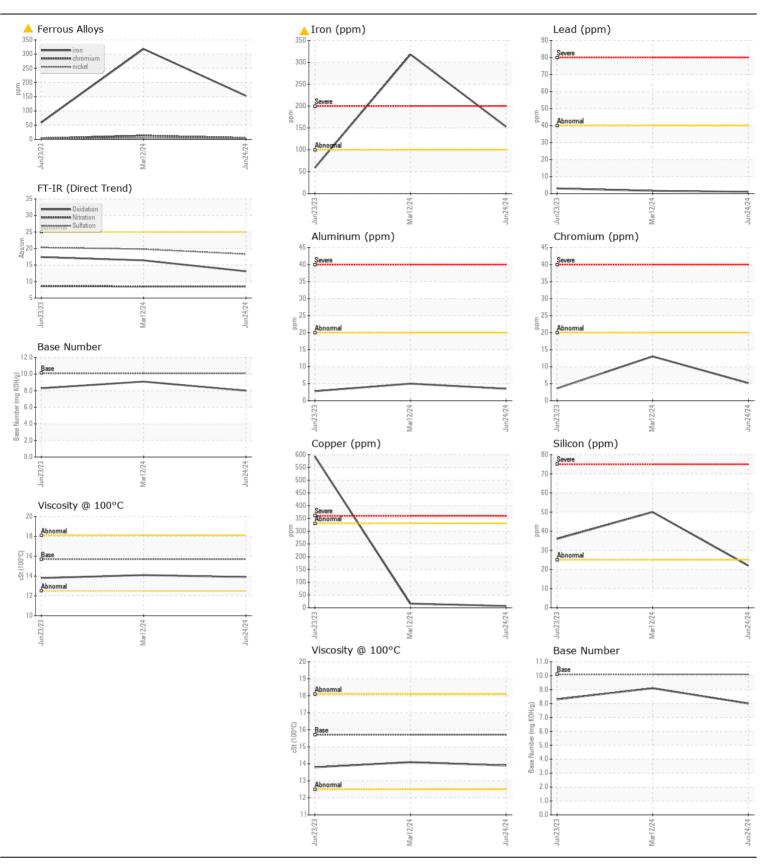
**WEAR** CONTAMINATION **FLUID CONDITION**  **ABNORMAL** NORMAL **NORMAL** 

Machine Id

## KENWORTH T800 3926 (S/N MXS08535) Component Diosed Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
RECOMMENDATION	Sample Number	UCIVI	Client Info	LIIIIUADII	WC0917307	-	WC0613630
Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Number		Client Info		24 Jun 2024	12 Mar 2024	23 Jun 2023
	Machine Age	mls	Client Info		68067	62020	34836
	Oil Age	mls	Client Info		0	0	0
	Filter Age	mls	Client Info		0	0	0
	Oil Changed	0	Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
MEAD	lua-a		ACTM DE10Ess	100		A 040	
WEAR	Iron	ppm	ASTM D5185m		<u> </u>	▲ 318	59
The iron level has decreased, but is still abnormal. Cylinder, crank, or cam shaft wear is indicated.	Chromium Nickel	ppm	ASTM D5185m		5	13 5	4
	Titanium	ppm	ASTM D5185m ASTM D5185m	>4	4		1
	Silver	ppm	ASTM D5185m	. 2	<1 <1	<1 0	0
	Aluminum	ppm	ASTM D5185m		4	5	3
	Lead	ppm	ASTM D5185m		1	2	3
	Copper	ppm	ASTM D5185m		7	16	△ 593
	Tin	ppm	ASTM D5185m		, <1	2	4
	Vanadium	ppm	ASTM D5185m	710	<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	22	<b>△</b> 50	<b>△</b> 36
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		4	1	7
	Fuel		WC Method		<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.4	0.5	0.5
	Nitration	Abs/cm		>20	8.5	8.5	8.6
	Sulfation	Abs/.1mm	*ASTM D7415		18.3	19.8	20.3
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
		scalar	*Visual	NONE NORML	NONE NORML	NONE NORML	NORML
	Appearance Odor	scalar scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water			>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		5	3	8
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		13	2	13
oil. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m	1.2	26	56	58
	Manganese	ppm	ASTM D5185m	0.4	3	4	4
	Magnesium	ppm	ASTM D5185m		321	899	834
	Calcium	ppm	ASTM D5185m		2110	994	1288
	Phosphorus	ppm	ASTM D5185m		1028	995	1014
	Zinc	ppm	ASTM D5185m		1247	1172	1247
	Sulfur Oxidation	ppm Abs/.1mm	*ASTM D5185m		4326 13.1	2907 16.4	3375 17.4
		and imm	A31M11/414	>/2	1.5.1	1h 4	1/4
	Base Number (BN)		ASTM D2896		8.0	9.1	8.3





Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0917307 Lab Number : 06223047 Unique Number : 11101244

Received : 27 Jun 2024 **Tested** Diagnosed Test Package : MOB 1 ( Additional Tests: TBN )

: 28 Jun 2024 : 30 Jun 2024 - Don Baldridge

**JOHNSON BREEDERS** 3425 HWY 117N ROSE HILL, NC US 28458 Contact: GREG JONES

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. gregory.jones@houseofraeford.com T: (910)289-6884

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