

WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

Area [**Z20129**]

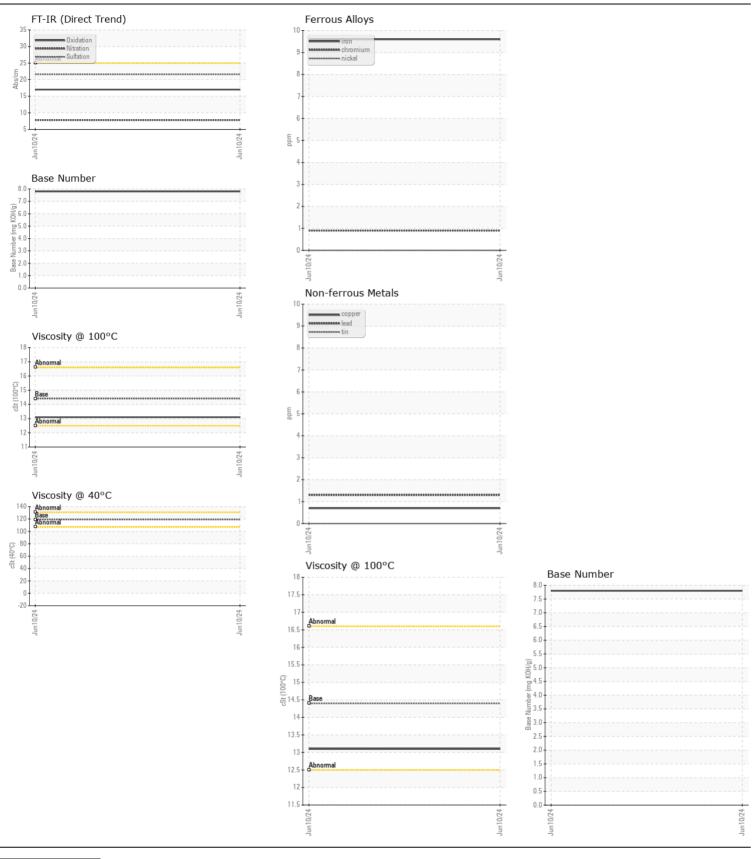
KENWORTH JDG726

Diesel Engine

Fluid CASTROL 15W40 (-I TD

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WC06223292		
	Sample Date		Client Info		10 Jun 2024		
	Machine Age	kms	Client Info		1015251		
	Oil Age	kms	Client Info		61481		
	Filter Age	kms	Client Info		61481		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
VEAR	Iron	nnm	ASTM D5185m	<u> </u>	10		
VLAN	Chromium	ppm	ASTM D5185m		<1		
All component wear rates are normal.		ppm					
	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		2		
	Lead	ppm	ASTM D5185m		1		
	Copper	ppm	ASTM D5185m		<1		
	Tin	ppm	ASTM D5185m	>5	0		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>35	6		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	1		
	Fuel		WC Method	>3.0	<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>7.5	0.3		
	Nitration	Abs/cm	*ASTM D7624		7.8		
	Sulfation	Abs/.1mm	*ASTM D7415		21.6		
	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		
LUID CONDITION	Sodium	ppm	ASTM D5185m	>406	1		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m		57		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		75		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		530		
	Calcium	ppm	ASTM D5185m		2337		
	Phosphorus	ppm	ASTM D5185m		1280		
	Zinc	ppm	ASTM D5185m		1638		
	Sulfur	ppm	ASTM D5185m		4782		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	17.0		
	Base Number (BN)	mg KOH/g	ASTM D2896		7.8		

Contact/Location: DAVE TENNANT - TRGPEN





Laboratory Sample No.

: WC06223292 Lab Number : 06223292

Unique Number : 11101489

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

Diagnosed Test Package : FLEET (Additional Tests: KV40)

: 01 Jul 2024

: 28 Jun 2024

: 01 Jul 2024 - Don Baldridge

781 GREAT SOUTH RD PENROSE AUCKLAND, ZZ NZ 1061 Contact: DAVE TENNANT

dave.tennant@trgroup.co.nz

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)

T:

F:

TR GROUP