

Machine Id **KENWORTH T-370 T-370** Component **Diesel Engine**

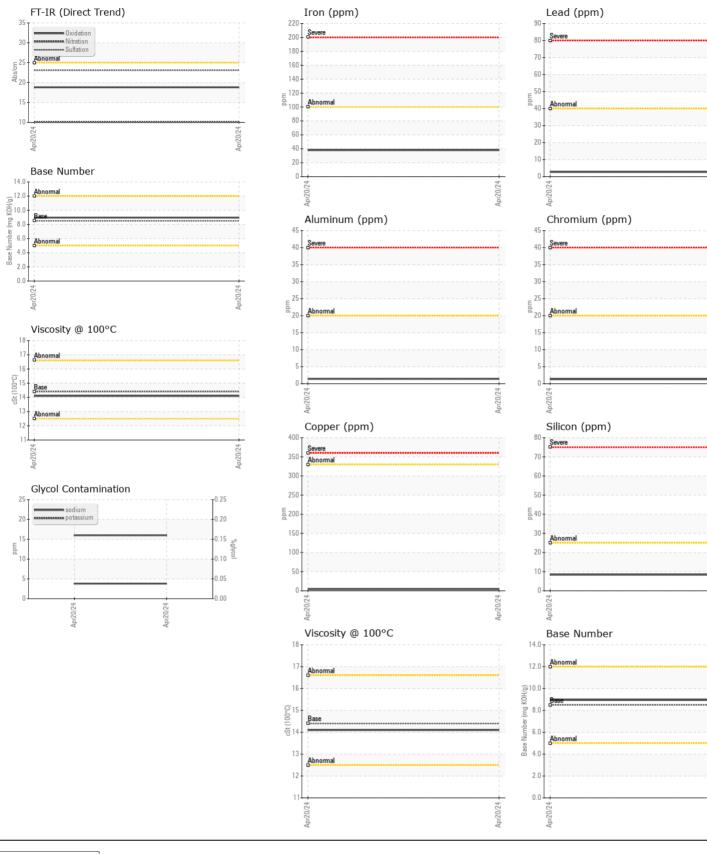
DIESEL ENGINE OIL SAE 40 (5 GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06174085		
	Sample Date		Client Info		20 Apr 2024		
	Machine Age	hrs	Client Info		13892		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m	>100	38		
	Chromium	ppm	ASTM D5185m		1		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		1		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m	>3	<1		
	Aluminum	ppm	ASTM D5185m		1		
	Lead	ppm	ASTM D5185m		3		
	Copper	ppm	ASTM D5185m		4		
	Tin	ppm	ASTM D5185m		1		
	Vanadium	ppm	ASTM D5185m	210	<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	8		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		16		
	Fuel		WC Method		<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol	%	*ASTM D2982		NEG		
	Soot %	%	*ASTM D7844		0.4		
	Nitration	Abs/cm	*ASTM D7624	>20	10.1		
	Sulfation	Abs/.1mm	*ASTM D7415		23.1		
	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		
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>216	4		
The DN regult indicates that there is quitable effectivity remaining in the	Boron	ppm	ASTM D5185m	250	33		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m	10	0		
	Molybdenum	ppm	ASTM D5185m	100	40		
	Manganese	ppm	ASTM D5185m		1		
	Magnesium	ppm	ASTM D5185m	450	922		
	Calcium	ppm	ASTM D5185m		1494		
	Phosphorus	ppm	ASTM D5185m	1150	1074		
	Zinc	ppm	ASTM D5185m		1237		
	Sulfur	ppm	ASTM D5185m		3534		
	Oxidation	Abs/.1mm	*ASTM D7414		18.8		
	Base Number (BN)		ASTM D2896		8.95		
		- OL		4.4.4	0.00		

Visc @ 100°C cSt

ASTM D445 14.4

14.1



NICHOLS FARMS - CLAY NICHOLS Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. Received 24263 MUNRO LN : TR06174085 :09 May 2024 Lab Number : 06174085 Tested GRAND VIEW, ID : 12 May 2024 Unique Number : 11020138 : 12 May 2024 - Don Baldridge US 83624 Diagnosed Test Package : MOB 2 (Additional Tests: Glycol) Contact: CRAIG KOEHN Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-827-0711. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: CRAIG KOEHN - NICGRA Page 2 of 2