

## 2H28 KENWORTH T480 RTK6773 - REEFER (S/N 2NK5LJ0X8PM245320)

## Component Diesel Engine

Fluid {not provided} (--- QTS)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number	CON	Client Info	2mm(/http://	ARI06124511		
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Date		Client Info		20 Mar 2024		
	Machine Age	hrs	Client Info		1092		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed	1110	Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status				ABNORMAL		
NEAR	Iron	ppm	ASTM D5185m	>100	18		
	Chromium	ppm	ASTM D5185m	>20	<1		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>4	<1		
	Titanium	ppm	ASTM D5185m		3		
	Silver	ppm	ASTM D5185m	>3	0		
	Aluminum	ppm	ASTM D5185m	>20	3		
	Lead	ppm	ASTM D5185m	>40	<1		
	Copper	ppm	ASTM D5185m	>330	12		
	Tin	ppm	ASTM D5185m	>15	1		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m		<mark>▲</mark> 39		
Elemental level of silicon (Si) above normal indicating ingress of seal material. Light fuel dilution occurring.	Potassium	ppm	ASTM D5185m		5		
	Fuel	%	ASTM D3524		A 2.9		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method	0	NEG		
	Soot %	%	*ASTM D7844		0.4		
	Nitration	Abs/cm	*ASTM D7624	>20	9.1		
	Sulfation	Abs/.1mm	*ASTM D7415		19.9		
	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		
LUID CONDITION	Sodium	ppm	ASTM D5185m		3		
	Boron	ppm	ASTM D5185m		74		
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.	Barium	ppm	ASTM D5185m		3		
	Molybdenum	ppm	ASTM D5185m		13		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		638		
	Calcium	ppm	ASTM D5185m		1432		
	Phosphorus	ppm	ASTM D5185m		678		
	Zinc	ppm	ASTM D5185m		808		
	Sulfur	ppm	ASTM D5185m		3335		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	15.4		
	0						

Visc @ 100°C cSt

Base Number (BN) mg KOH/g ASTM D2896

ASTM D445

6.7

10.4



