

Machine Id KENWORTH 2007 KENWORTH Component Diesel Engine Fluid

DIESEL ENGINE OIL SAE 40 (--- QTS)

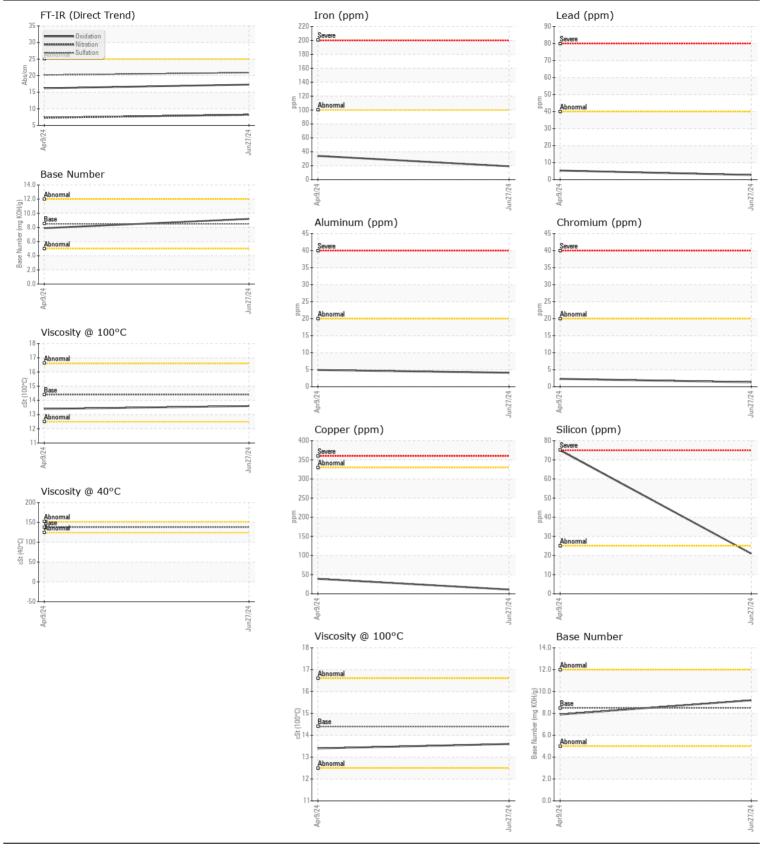
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		LF0001836	LF0001819	
	Sample Date		Client Info		27 Jun 2024	09 Apr 2024	
	Machine Age	mls	Client Info		0	0	
	Oil Age	mls	Client Info		0	0	
	Filter Age	mls	Client Info		0	0	
	Oil Changed		Client Info		N/A	N/A	
	Filter Changed		Client Info		N/A	N/A	
	Sample Status				NORMAL	ABNORMAL	
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m	>100	19	34	
	Chromium	ppm	ASTM D5185m	>20	1	2	
	Nickel	ppm	ASTM D5185m	>4	<1	1	
	Titanium	ppm	ASTM D5185m		<1	2	
	Silver	ppm	ASTM D5185m	>3	<1	0	
	Aluminum	ppm	ASTM D5185m	>20	4	5	
	Lead	ppm	ASTM D5185m	>40	3	5	
	Copper	ppm	ASTM D5185m	>330	11	39	
	Tin	ppm	ASTM D5185m		1	3	
	Vanadium	ppm	ASTM D5185m		<1	<1	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	21	▲ 75	
	Potassium	ppm	ASTM D5185m		10	11	
There is no indication of any contamination in the oil.	Fuel	le le	WC Method		<1.0	<1.0	
	Water		WC Method		NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	*ASTM D7844	>3	0.2	0.1	
	Nitration	Abs/cm	*ASTM D7624	>20	8.2	7.3	
	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.9	20.2	
	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	scalar	*Visual	>0.2	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>216	3	18	
	Boron	ppm	ASTM D5185m		28	216	
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		0	1	
	Molybdenum	ppm	ASTM D5185m		53	21	
	Manganese	ppm	ASTM D5185m		<1	5	
	Magnesium	ppm	ASTM D5185m	450	580	190	
	Calcium	ppm	ASTM D5185m	3000	1637	2613	
	Phosphorus	ppm	ASTM D5185m		1193	1195	
	Zinc	ppm	ASTM D5185m	1350	1348	1458	
	Sulfur	ppm	ASTM D5185m		3242	4540	
	Oxidation	Abs/.1mm	*ASTM D7414		17.3	16.2	
	Base Number (BN)		ASTM D2896		9.2	7.9	
	Vies @ 10000	- 01	AOTA DATE	44.4	40.0	10.4	

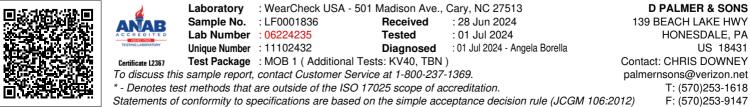
Visc @ 100°C cSt

ASTM D445 14.4

13.4

13.6





Contact/Location: CHRIS DOWNEY - DPAHON Page 2 of 2