

NOT GIVEN LH0258815 (S/N NO INFO ON SIF/BOTTLE)

Component Diesel Engine Fluid

{not provided} (--- QTS)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. Resample at the	Sample Number		Client Info		LH0258815		
	Sample Date		Client Info		07 Mar 2024		
next service interval to monitor.	Machine Age	hrs	Client Info		439		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m	>100	11		
Metal levels are typical for a new component breaking in.	Chromium	ppm	ASTM D5185m	>20	<1		
	Nickel	ppm	ASTM D5185m	>4	0		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m	>3	0		
	Aluminum	ppm	ASTM D5185m	>20	2		
	Lead	ppm	ASTM D5185m	>40	0		
	Copper	ppm	ASTM D5185m	>330	287		
	Tin	ppm	ASTM D5185m	>15	1		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
	Ciliana				00		
CONTAMINATION	Silicon	ppm		>25	22		
Fuel content negligible. There is no indication of any contamination in the oil.	Potassium	ppm		>20	0		
	Fuel	%	ASTM D3524	>5	1.0		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.1		
	Nitration	Abs/cm	*ASTM D7624	>20	10.4		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	35.7		
	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		
	Sodium		ACTM DE105m		4		
FLUID CONDITION	Boron	ppm	AGTM DE105m		4		
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.	Borium	ppill	AGTM DE105m		02		
	Barlum	ppm			23		
	Molybaenum	ppm	ASTM D5185m		40		
	Manganese	ppm	ASTM D5185m		3		
	Magnesium	ppm	ASTM D5185m		859		
	Calcium	ppm	ASTM D5185m		1307		
	Phosphorus	ppm	ASTM D5185m		751		
	∠inc	ppm	ASTM D5185m		849		
	Sultur	ppm	ASTM D5185m	0.5	2572		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	43.7		
	Base Number (BN)	ma KOH/a	ASTM D2896		6.0		

Visc @ 100°C cSt

ASTM D445

11.6





Contact/Location: CHRIS BARTNIK - LEC0008