

Machine Id **162204** Component **Diesel Engine** Filuid **DIESEL ENGINE OIL SAE 40 (--- GAL)**

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm. Please specify the component make and model with your next sample.

WEAR

All component wear rates are normal.

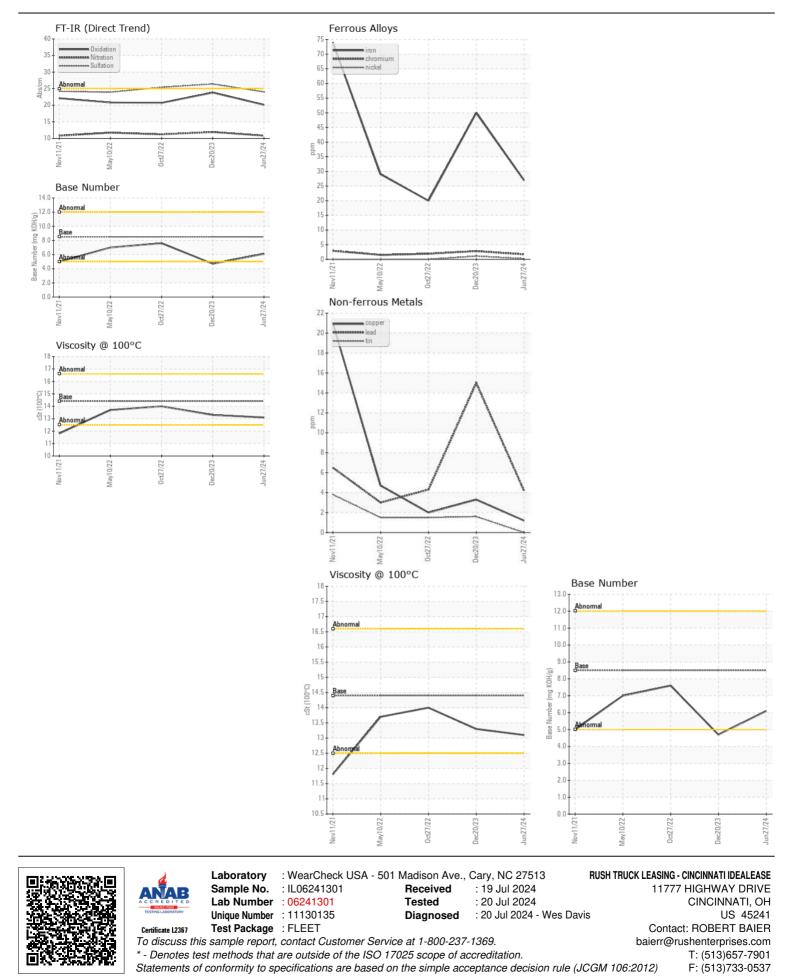
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		IL06241301	IL06068902	IL05702202
Sample Date		Client Info		27 Jun 2024	20 Dec 2023	27 Oct 2022
Machine Age	hrs	Client Info		6374	0	3466
Oil Age	hrs	Client Info		0	90000	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>100	27	50	20
Chromium	ppm	ASTM D5185m	>20	2	3	2
Nickel	ppm	ASTM D5185m	>4	<1	1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	3	6	6
Lead	ppm	ASTM D5185m	>40	4	15	4
Copper	ppm	ASTM D5185m	>330	1	3	2
Tin	ppm	ASTM D5185m	>15	0	2	2
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	0000	ASTM D5185m	>25	5	7	7
	ppm		>20	6	11	16
Potassium Fuel	ppm	ASTM D5185m WC Method	>20 >5	ہ <1.0	<1.0	<1.0
Water		WC Method	>0.2	<1.0 NEG	<1.0 NEG	<1.0 NEG
Glycol		WC Method	>0.2	NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.5	0.7	0.4
Nitration	Abs/cm	*ASTM D7644	>20	10.8	11.9	11.2
Sulfation	Abs/.1mm	*ASTM D7024	>30	24.0	26.4	25.4
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
					NEG	
Sodium	ppm	ASTM D5185m	>216	3	2	3
Boron	ppm	ASTM D5185m	250	3	10	11
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	100	62	61	30
Manganese	ppm	ASTM D5185m		<1	1	<1
Magnesium	ppm	ASTM D5185m	450	939	954	747
Calcium	ppm	ASTM D5185m	3000	1153	1276	1421
Phosphorus	ppm	ASTM D5185m	1150	974	1028	897
Zinc	ppm	ASTM D5185m	1350	1172	1304	977
Sulfur	ppm	ASTM D5185m	4250	3088	2916	3397
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.1	23.8	20.7
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	6.1	4.7	7.6
Visc @ 100°C	cSt	ASTM D445	14.4	13.1	13.3	14.0



Report Id: IDECIN [WUSCAR] 06241301 (Generated: 07/21/2024 10:30:02) Rev: 1