

OIL ANALYSIS REPORT

Sample Rating Trend



KME P16

Component Diesel Engine

Fluid SAFETY-KLEEN PERFORMANCE PLUS 15W40 (40 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

Elevated aluminum (AI) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

W40 (40 LTR)		Feb201	2 Jan2022	Dec2022 N	vv2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0078493	PC0050427	PC0050485
Sample Date		Client Info		20 Nov 2023	29 Dec 2022	19 Jan 2022
Machine Age	kms	Client Info		9195	5712	3082
Oil Age	kms	Client Info		7000	3000	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINAT	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	1.1
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	0.0
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	34	15	22
Chromium	ppm	ASTM D5185(m)	>20	1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	0
Silver	ppm	ASTM D5185(m)	>3	<1	1	2
Aluminum	ppm	ASTM D5185(m)	>20	4	2	4
Lead	ppm	ASTM D5185(m)	>40	3	<1	<1
Copper	ppm	ASTM D5185(m)	>330	109	5	11
Tin	ppm	ASTM D5185(m)	>15	1	<1	<1
Antimony	ppm	ASTM D5185(m)		0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	1.4	10	14	129
Barium	ppm	ASTM D5185(m)	0.1	<1	0	2
Molybdenum	ppm	ASTM D5185(m)	0.1	55	52	9
Manganese	ppm	ASTM D5185(m)		1	1	3
Magnesium	ppm	ASTM D5185(m)	2.7	847	852	143
Calcium	ppm	ASTM D5185(m)	2328	1190	1212	1990
Phosphorus	ppm	ASTM D5185(m)	924	889	1101	996
Zinc	ppm	ASTM D5185(m)	1004	1185	1197	1149
Sulfur	ppm	ASTM D5185(m)	3828	2398	2693	2942
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	10	7	15
Sodium	ppm	ASTM D5185(m)		3	2	3
Potassium	ppm	ASTM D5185(m)	>20	8	5	23
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.7	0.2	0.1
Nitration	Abs/cm	ASTM D7624*	>20	11.6	8.4	7.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	24.3	20.7	21.6



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Laboratory Test Package : MOB 1 (Additional Tests: KV40, VI) To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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Laboratory

Sample No.

Lab Number

Unique Number

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CALA

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