

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

SENNEBOGEN MH-87

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

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.

		Nov202	3 Feb2024	Apr2024 M	sy2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0124690	PCA0120885	PCA0113826
Sample Date		Client Info		17 May 2024	11 Apr 2024	12 Feb 2024
Machine Age	hrs	Client Info		4256	3964	3476
Oil Age	hrs	Client Info		0	0	250
Oil Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	1.6	△ 7.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	4	7	15
Chromium	ppm	ASTM D5185m	>20	<1	1	<1
Nickel	ppm	ASTM D5185m	>4	<1	1	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	<1	<1	0
Aluminum	ppm	ASTM D5185m	>20	3	2	2
Lead	ppm	ASTM D5185m	>40	<1	1	0
Copper	ppm	ASTM D5185m	>330	1	2	<1
Tin	ppm	ASTM D5185m	>15	1	1	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	4	2	4
Barium	ppm	ASTM D5185m	10	0	<1	0
Molybdenum	ppm	ASTM D5185m	100	69	59	52
Manganese	ppm	ASTM D5185m		<1	1	<1
Magnesium	ppm	ASTM D5185m	450	926	930	885
Calcium	ppm	ASTM D5185m	3000	1168	1083	1027
Phosphorus	ppm	ASTM D5185m	1150	1040	1060	980
Zinc	ppm	ASTM D5185m	1350	1234	1243	1197
Sulfur	ppm	ASTM D5185m	4250	3701	3475	2936
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	4	6
Sodium	ppm	ASTM D5185m	>158	1	<1	1
Potassium	ppm	ASTM D5185m	>20	6	4	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.2
Nitration	Abs/cm	*ASTM D7624	>20	6.4	7.9	9.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.9	19.6	19.6
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.2	16.7	17.6
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	11.07	9.61	8.51
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OIL ANALYSIS REPORT







Certificate 12367

Sample No. Lab Number : 06186891 Unique Number : 11043643

: PCA0124690

Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 21 May 2024

Apr11/24,

Tested : 23 May 2024 Diagnosed

: 23 May 2024 - Wes Davis

0.0

May17/24

SCRAP METAL SERVICES NON-FERROUS DIVISION 3000 W 139TH ST BLUE ISLAND, IL US 60406

Apr11/24

Contact: SERGIO FERNANDEZ sfernandez@scrapmetalservices.com

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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