

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

SENNEBOGEN 835 MH-76

Diesel Engine

PETRO CANADA DURON HP 15W40 (--- LT

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

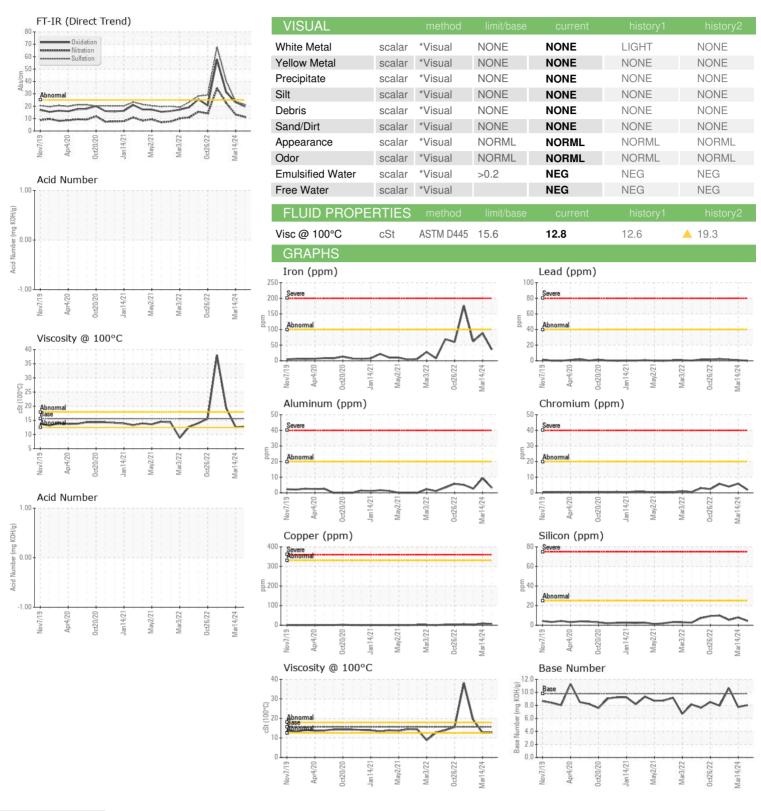
Fluid Condition

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

77R) 3-1/2019 ApriZ020 Oct.020 JuniZ021 May2021 MarZ022 Oct.022 MarZ024						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0113909	PCA0113892	PCA0083692
Sample Date		Client Info		11 Jun 2024	14 Mar 2024	10 Feb 2023
Machine Age	hrs	Client Info		22308	21270	17332
Oil Age	hrs	Client Info		500	500	500
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	SEVERE
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
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	36	88	62
Chromium	ppm	ASTM D5185m	>20	2	6	4
Nickel	ppm	ASTM D5185m	>4	0	2	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m	>20	3	9	3
Lead	ppm	ASTM D5185m	>40	0	<1	1
Copper	ppm	ASTM D5185m	>330	5	10	2
Tin	ppm	ASTM D5185m	>15	0	1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3	7	3
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		60	64	58
Manganese	ppm	ASTM D5185m		<1	1	<1
Magnesium	ppm	ASTM D5185m		994	993	863
Calcium	ppm	ASTM D5185m		1147	1103	1043
Phosphorus	ppm	ASTM D5185m		1010	1036	948
Zinc	ppm	ASTM D5185m		1270	1312	1150
Sulfur	ppm	ASTM D5185m		3307	3256	2857
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	8	5
Sodium	ppm	ASTM D5185m		5	8	<1
Potassium	ppm	ASTM D5185m	>20	2	3	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.6	▲ 7.2
Nitration	Abs/cm	*ASTM D7624	>20	11.3	13.3	22.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.3	23.7	40.2
FLUID DEGRAI	OITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.8	23.1	31.3
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.03	7.73	10.65



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Laboratory Sample No.

Lab Number : 06214927 Unique Number : 11087791

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0113909

Received **Tested** Diagnosed

: 19 Jun 2024 : 21 Jun 2024

: 21 Jun 2024 - Sean Felton

SCRAP METAL SERVICES (SMS Mill Services LLC) 250 WEST U.S. HWY 12 CHESTERTON, IN US 46304

dwhite@scrapmetalservices.com

Contact: DOMINIC WHITE

Test Package : MOB 2 (Additional Tests: TAN Man) Certificate 12367 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)

Contact/Location: DOMINIC WHITE - SCRBURIN

T:

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