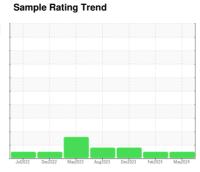


OIL ANALYSIS REPORT







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

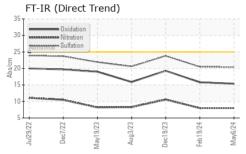
Fluid Condition

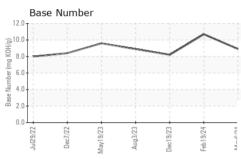
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

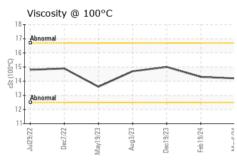
SAMPLE INFORI						
	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0005887	SBP0001582	SBP0005536
Sample Date		Client Info		06 May 2024	19 Feb 2024	19 Dec 2023
Machine Age	mls	Client Info		786821	776263	766445
Oil Age	mls	Client Info		10558	9818	20527
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINATIO	N	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 METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	18	18	27
Chromium	ppm	ASTM D5185m	>5	2	2	2
Nickel	ppm	ASTM D5185m	>2	1	<1	1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	<1	1	0
Aluminum	ppm	ASTM D5185m	>30	3	4	4
Lead	ppm	ASTM D5185m	>30	1	0	0
Copper	ppm	ASTM D5185m	>150	42	143	<u>^</u> 215
Tin	ppm	ASTM D5185m	>5	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	3
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		64	62	63
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		1046	1025	975
Calcium	ppm	ASTM D5185m		1290	1115	1084
Phosphorus	ppm	ASTM D5185m		1152	1095	972
Zinc	ppm	ASTM D5185m		1418	1346	1270
Sulfur	ppm	ASTM D5185m		3656	2796	2136
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	4	4	7
	ppm	ASTM D5185m		16	<1	3
Sodium		AOTA DEADE	>20	22	<1	2
	ppm	ASTM D5185m	>20	22	_ 1	_
	ppm	method	limit/base	current	history1	history2
Potassium INFRA-RED	ppm %					
Potassium INFRA-RED Soot %		method	limit/base	current	history1	history2
Potassium INFRA-RED Soot % Nitration	%	method *ASTM D7844	limit/base	current	history1	history2
Potassium INFRA-RED Soot % Nitration	% Abs/cm Abs/.1mm	method *ASTM D7844 *ASTM D7624	limit/base >3 >20	current 0.8 8.0	history1 0.8 8.0	history2 1.9 10.6 23.8
Soot % Nitration Sulfation	% Abs/cm Abs/.1mm	method *ASTM D7844 *ASTM D7624 *ASTM D7415	limit/base >3 >20 >30	current 0.8 8.0 20.4	history1 0.8 8.0 20.5	history2 1.9 10.6

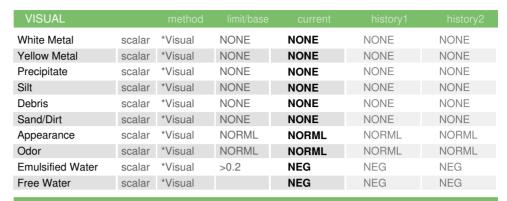


OIL ANALYSIS REPORT



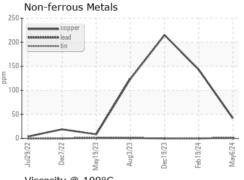


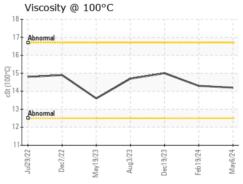


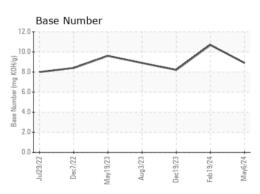


FLUID PROPERTIES		metnoa	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445		14.2	14.3	15.0

Ferrous Alloys











Laboratory Sample No. Lab Number : 06195044

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : SBP0005887 Received

: 30 May 2024 : 31 May 2024

Tested Diagnosed : 31 May 2024 - Wes Davis

US Contact: Service Manager

Sapp Bros. Fleet - Ogallala Location

Certificate 12367

Unique Number : 11057167 Test Package : FLEET

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)

T:

F: