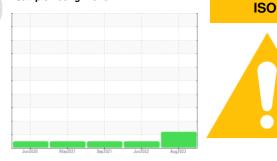


OIL ANALYSIS REPORT

Sample Rating Trend



H&P TRANSP Machine Id H&P TRANSP 211 Component **Rear Differential**

NOT GIVEN (--- GAL)

DIAGNOSIS

A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM		method	limit/base	current	history1	history2
			minubase			
Sample Number		Client Info		WC0843216	WC0692992	WC0624355
Sample Date		Client Info		22 Aug 2023	21 Jun 2022	29 Sep 2021
Machine Age	kms	Client Info		106294	96817	71929
Oil Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	163	51	137
Chromium	ppm	ASTM D5185m	>10	2	<1	1
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>25	3	<1	<1
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm		>100	0	<1	<1
Tin	ppm	ASTM D5185m	>100	0	<1	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m	20	0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
	ppm					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		110	24	117
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		4	2	3
Magnesium	ppm	ASTM D5185m		163	53	160
Calcium	ppm	ASTM D5185m		2	0	<1
Phosphorus	ppm	ASTM D5185m		1660	403	1651
Zinc	ppm	ASTM D5185m		0	<1	0
Sulfur	ppm	ASTM D5185m		28324	5985	22096
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	15	5	11
Sodium	ppm	ASTM D5185m	210	4	8	4
Potassium	ppm	ASTM D5185m	>20	4	15	<1
Water	%	ASTM D516511		0.061	0.042	0.042
ppm Water	ppm	ASTM D6304 ASTM D6304	>.2	614.2	429.8	425.2
						-
FLUID CLEANLIN	1255	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	A 98788		
Particles >6µm		ASTM D7647		A 6541		
Particles >14µm		ASTM D7647	>640	69		
Particles >21µm		ASTM D7647		17		
Particles >38µm		ASTM D7647	>40	0		
Particles >71µm		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	A 24/20/13		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN) :10:37) Rev: 1	mg KOH/g	ASTM D8045	Contact	0.72 /Location: GIAN	0.78 JNA CREDARO	0.744

Report Id: bastarhd [WUSCAR] 05937873 (Generated: 09/04/2023 18:10:37) Rev: 1

Contact/Location: GIANNA CREDAROLI - BASTARHD



8 3/20

1.20

0.9

_늘0.72

a²0.48

0.2

0.00

16

00 14

र्द्छ 12

10

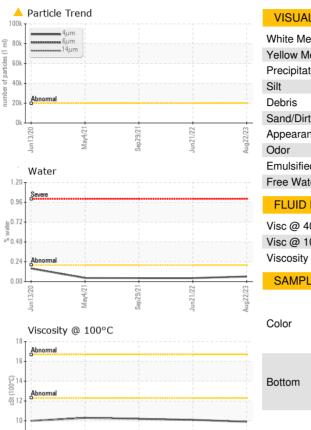
- 29

1

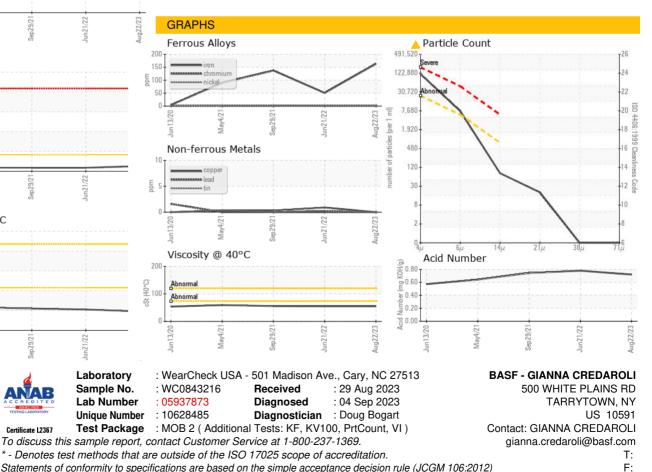
Water

Viscosity @ 100°C

OIL ANALYSIS REPORT







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