

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Area METRO METRO 25004

Component Rear Differential Fluid {not provided} (--- GAL)

DIAGNOSIS

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 moderate amount of silt (particulates < 14 microns in size) present in the oil.

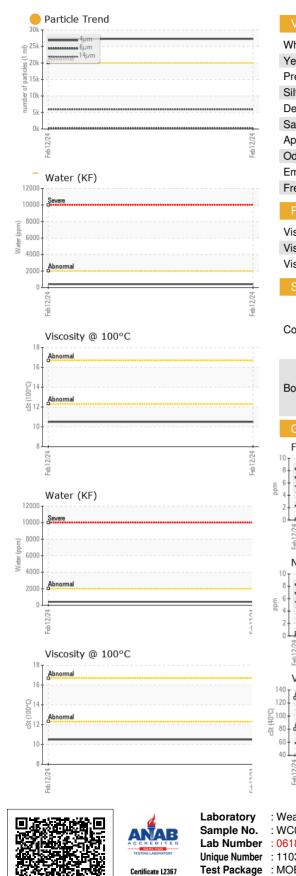
Fluid Condition

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

SAMPLE INFORM	NATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0934528		
Sample Date		Client Info		12 Feb 2024		
Machine Age	mls	Client Info		9		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ATTENTION		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	2		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>25	2		
Lead	ppm	ASTM D5185m	>25	<1		
Copper	ppm	ASTM D5185m	>100	<1		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		320		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		<1		
Phosphorus	ppm	ASTM D5185m		1739		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		29968		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	2		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	1		
Water	%	ASTM D6304	>.2	0.041		
ppm Water	ppm	ASTM D6304	>2000	411		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	e 27278		
Particles >6µm		ASTM D7647		<mark> </mark> 5970		
Particles >14µm		ASTM D7647	>640	299		
Particles >21µm		ASTM D7647		52		
Particles >38µm		ASTM D7647	>40	2		
Particles >71µm		ASTM D7647		0		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	e 22/20/15		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		2.68		



OIL ANALYSIS REPORT



	VISUAL		method	limit/base	current	history1	history2
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
	Precipitate	scalar	*Visual	NONE	NONE		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
Feb12/24	Appearance	scalar	*Visual	NORML	NORML		
Fe1	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>.2	NEG		
	Free Water	scalar	*Visual		NEG		
	FLUID PROPER	RTIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445		58.9		
	Visc @ 100°C	cSt	ASTM D445		10.5		
	Viscosity Index (VI)) Scale	ASTM D2270		169		
4	SAMPLE IMAGE	ES	method	limit/base	current	history1	history2
Fab1224	Color				•	no image	no image
	Bottom					no image	no image
	GRAPHS						
24	Ferrous Alloys			491,520	Particle Count		т2
Feb 12/24	8 iron				Severe		
	E 6 4			122,880			-24
	2			30,720	Abnormal		-22
							-21
	Feb 12/24			Feb12/24 (per 1 m)			
	Feb			[금] 1,920 당 당			+10
	Non-ferrous Met	als		partic) partic			-16
	10 8 copper			Feb.12/24 100 100 100 100 100 100 100 100 100 100			-18
	E 6 -			quinu			
V.C.	å 4			30			12
C.h.1.3	2			8	-		-10
	0.7-4-22			45/2 2	-		1
	Feb12/24			Feb12/2 ⁶			
	Viscosity @ 40°C	2		4	م Acid Number	14µ 21µ	38µ 71µ
	140 Abnormal						
	120			ROH ROH			
	(3.0100 - Abnormal 당 80 - Abnormal			(B)HOX Buy Number Monte			
	5 80			4 mn 1.0			
	40			0.0 Acid	L.		
V C	Feb12/24			Feb12/24	Feb 12/24		
E-419.6	Feb			Feb	Feb		
			n Ave Carv	, NC 27513		BASF - GIANN	

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

Report Id: bastarhd [WUSCAR] 06180662 (Generated: 05/18/2024 17:03:44) Rev: 1

Contact/Location: GIANNA CREDAROLI - BASTARHD

F: