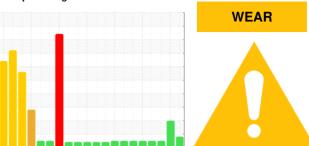


OIL ANALYSIS REPORT



Machine Id 8362 Component Right Final Drive Fluid GEAR OIL SAE 80W140 (--- GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

🔺 Wear

Bearing and/or bushing wear is indicated. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0913094	WC0837044	WC0831232
Sample Date		Client Info		01 May 2024	21 Aug 2023	12 Jul 2023
Machine Age	hrs	Client Info		10115	9130	8619
Oil Age	hrs	Client Info		564	519	237
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL
CONTAMINATION	J	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	98	58	41
Chromium	ppm	ASTM D5185m	>10	2	1	<1
Nickel	ppm	ASTM D5185m	>10	7	4	3
Titanium	ppm	ASTM D5185m		2	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	12	10	4
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	<u> </u>	<mark>▲</mark> 52	29
Tin	ppm	ASTM D5185m	>10	4	3	2
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	400	302	204	153
Barium	ppm	ASTM D5185m	200	0	0	0
Molybdenum	ppm	ASTM D5185m	12	0	0	0
Manganese	ppm	ASTM D5185m		<1	1	1
Magnesium	ppm	ASTM D5185m	12	2	<1	1
Calcium	ppm	ASTM D5185m	150	57	112	219
Phosphorus	ppm	ASTM D5185m	1650	519	375	401
Zinc	ppm	ASTM D5185m	125	5	22	52
Sulfur	ppm	ASTM D5185m	22500	2858	2320	3213
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	74	43	29
Sodium						
	ppm	ASTM D5185m		1	0	<1
Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>20			<1 2
Potassium VISUAL			>20 limit/base	1	0	
		ASTM D5185m		1 4 current NONE	0 2	2
VISUAL	ppm	ASTM D5185m method	limit/base	1 4 current	0 2 history1	2 history2
VISUAL White Metal	ppm scalar	ASTM D5185m method *Visual	limit/base NONE	1 4 current NONE	0 2 history1 NONE	2 history2 NONE
VISUAL White Metal Yellow Metal	ppm scalar scalar	ASTM D5185m method *Visual *Visual	limit/base NONE NONE	1 4 current NONE NONE	0 2 history1 NONE MODER	2 history2 NONE MODER
VISUAL White Metal Yellow Metal Precipitate	ppm scalar scalar scalar	ASTM D5185m method *Visual *Visual *Visual	limit/base NONE NONE NONE	1 4 current NONE NONE NONE	0 2 history1 NONE MODER NONE	2 history2 NONE MODER NONE
VISUAL White Metal Yellow Metal Precipitate Silt	ppm scalar scalar scalar scalar	ASTM D5185m method *Visual *Visual *Visual *Visual	limit/base NONE NONE NONE NONE	1 4 current NONE NONE NONE NONE	0 2 history1 NONE MODER NONE NONE	2 history2 NONE MODER NONE NONE
VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm scalar scalar scalar scalar scalar	ASTM D5185m method *Visual *Visual *Visual *Visual *Visual	limit/base NONE NONE NONE NONE NONE	1 4 Current NONE NONE NONE LIGHT	0 2 history1 NONE MODER NONE NONE NONE	2 NONE MODER NONE NONE NONE
VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m method *Visual *Visual *Visual *Visual *Visual *Visual	limit/base NONE NONE NONE NONE NONE	1 4 Current NONE NONE NONE LIGHT NONE	0 2 history1 NONE MODER NONE NONE NONE	2 NONE MODER NONE NONE NONE NONE
VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m method *Visual *Visual *Visual *Visual *Visual *Visual *Visual	limit/base NONE NONE NONE NONE NONE NORE	1 4 current NONE NONE NONE LIGHT NONE NORML	0 2 history1 NONE MODER NONE NONE NONE NONE NONE NONE	2 history2 NONE MODER NONE NONE NONE NONE NORML

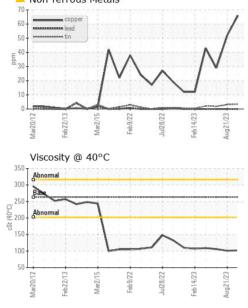
Report Id: TRANEW [WUSCAR] 06174401 (Generated: 05/13/2024 12:25:03) Rev: 1

Contact/Location: MIKE WYATT - TRANEW

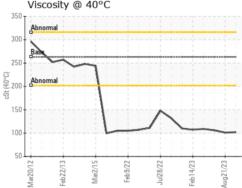


OIL ANALYSIS REPORT





	RTIES	method	limit/base	current	history1	history2
√isc @ 40°C	cSt	ASTM D445	263	102	101	106
SAMPLE IMAG	ES	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
GRAPHS						
Ferrous Alloys						
iron						
• • • • • • • • • • • • • • • • • • •						
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	9/22	8/22 4/23	1/23			
1 .	Feb 9/22	Jui28/22 Feb14/23	Aug21/23			
Mar20/12 Feb22/13 Mar2/15		Jui28/22 Feb14/23	Aug21/23			
Mar20/13 Feb22/13 Non-ferrous Me		Jui28/22 Feb14/23	Aug21/23			
Mar2012 Feb22113 Non-ferrous Me		Jui28/22 Feb14/23	Aug2123			
Mar20/13 Feb22/13 Non-ferrous Me		Ju08/22 Feb14/23	Aug21/23			
Mar2012 Feb22/13 Mar2012		Jut28/22 Feb1 4/23	Aug21/23			
Mar2012 Feb22/13 Mar2012		Jut2822	Aug21/23			
Non-ferrous Me		Jut28/22 Feb14/23	Aug21/23			
Mar2012 Feb22/13 Mar2012		Jut2822	Aug21/23			
Mar2012 Feb22/13 Mar2012		Jut2822	Aug21/23			
Non-ferrous Me		Jut28022	Aug21/23			
Non-ferrous Me	tals	\sim	/			
Non-ferrous Me	tals	\sim	/			
Maz0112 Feb22113 Maz2115 Maz2115 Maz2115	tals	Jui26/22 Feb14/23	Aug21/23			
Non-ferrous Me	tals	\sim	/			
Non-ferrous Me Baga Unozew Non-ferrous Me Baga tin Suzzus Viscosity @ 40° Abnomal	tals	\sim	/			
Von-ferrous Me Suzzew Viscosity @ 40°	tals	\sim	/			





: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WC0913094 Received Lab Number : 06174401 Tested Unique Number : 11020454 Diagnosed

:09 May 2024 : 10 May 2024 : 13 May 2024 - Don Baldridge TRADER CONSTRUCTION CO. PO DRAWER 1578 NEW BERN, NC US 28563 Contact: MIKE WYATT mwyatt@traderconstruction.com T: (252)633-1399 F: (252)638-4871

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - 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)

Report Id: TRANEW [WUSCAR] 06174401 (Generated: 05/13/2024 12:25:05) Rev: 1

Laboratory

Test Package : CONST

Contact/Location: MIKE WYATT - TRANEW