

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Machine Id HINO 13530 Component Rear Differential Fluid GEAR OIL SAE 75W90 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 75W90. Please confirm.

WEAR

All component wear rates are normal.

CONTAMINATION

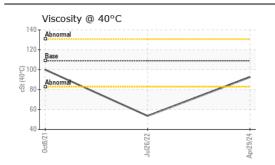
There is no indication of any contamination in the oil.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0924605	WC0689089	WC0595717
Sample Date		Client Info		29 Apr 2024	26 Jul 2022	08 Oct 2021
Machine Age	mls	Client Info		8000	6000	183402
Oil Age	mls	Client Info		0	200	0
Filter Age	mls	Client Info		0	200	0
Oil Changed		Client Info		N/A	Changed	Not Changd
Filter Changed		Client Info		N/A	Changed	Not Changd
Sample Status				NORMAL	ATTENTION	ABNORMAL
Iron	ppm	ASTM D5185m	>500	202	208	▲ 575
Chromium	ppm	ASTM D5185m	>10	<1	1	3
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	05	0	0	0
Aluminum	ppm	ASTM D5185m	>25	4	5	9
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>100	1	<1	3
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m	NONE	<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ACTM DE105m	>75		4 5	A 010
	ppin	ASTM D5185m	>10	29	45	<u> </u>
Potassium	ppm	ASTM D5185m	>20	29	45 0	<1
Potassium Water				-	-	
		ASTM D5185m	>20	2	0	<1
Water	ppm	ASTM D5185m WC Method	>20 >.2	2 NEG	0 NEG	<1 NEG
Water Silt	ppm scalar	ASTM D5185m WC Method *Visual	>20 >.2 NONE	2 NEG NONE	0 NEG NONE	<1 NEG NONE
Water Silt Debris	ppm scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >.2 NONE NONE	2 NEG NONE NONE	0 NEG NONE NONE	<1 NEG NONE NONE
Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual	>20 >.2 NONE NONE NONE	2 NEG NONE NONE NONE	0 NEG NONE NONE	<1 NEG NONE NONE NONE
Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>20 >.2 NONE NONE NONE NORML	2 NEG NONE NONE NONE NORML	0 NEG NONE NONE NONE NORML	<1 NEG NONE NONE NONE HAZY
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>20 >.2 NONE NONE NORML NORML	2 NEG NONE NONE NORML NORML NEG	0 NEG NONE NONE NORML NORML NEG	<1 NEG NONE NONE NONE HAZY NORML 0.2%
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >.2 NONE NONE NORML NORML >.2	2 NEG NONE NONE NORML NORML NEG 4	0 NEG NONE NONE NORML NORML NEG	<1 NEG NONE NONE NONE HAZY NORML 0.2%
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >.2 NONE NONE NORML >.2 400	2 NEG NONE NONE NORML NORML NEG 4 143	0 NEG NONE NONE NORML NORML NEG 2 81	<1 NEG NONE NONE NONE HAZY NORML 0.2%
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>20 >.2 NONE NONE NORML NORML >.2 400 200	2 NEG NONE NONE NORML NORML NEG 4 143 2	0 NEG NONE NONE NORML NORML NEG 2 81 1	<1 NEG NONE NONE HAZY NORML 0.2%
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.2 NONE NONE NORML >.2 400	2 NEG NONE NONE NORML NORML NEG 4 143 2 <1	0 NEG NONE NONE NORML NORML NEG 2 81 1 1	<1 NEG NONE NONE NONE HAZY NORML 0.2% 10 164 0 1
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.2 NONE NONE NORML >.2 400 200 12	2 NEG NONE NONE NORML NORML NEG 4 143 2 <1 3	0 NEG NONE NONE NORML NORML NEG 2 81 1 1 2 5	 <1 NEG NONE NONE HAZY NORML 0.2% 10 164 0 1 18
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.2 NONE NONE NORML NORML >.2 400 200 12	2 NEG NONE NONE NORML NORML NEG 4 143 2 <1 3 2 5	0 NEG NONE NONE NORML NORML NEG 2 81 1 1 <1 5 1	<1 NEG NONE NONE HAZY NORML 0.2% 10 164 0 18 4
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.2 NONE NONE NORML NORML >.2 400 200 12 12	2 NEG NONE NONE NORML NORML NEG 4 143 2 <1 3 2 5 90	0 NEG NONE NONE NORML NORML NEG 2 81 1 2 81 1 5 1 5 5 1	<1 NEG NONE NONE NONE HAZY 0.2% 10 164 0 18 4 167
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.2 NONE NONE NORML >.2 400 200 12 12 12 150 1650	2 NEG NONE NONE NORML NORML NEG 4 143 2 <1 3 25 90 1247	0 NEG NONE NONE NORML NORML NEG 2 81 1 5 5 1 5 5 0 523	<1 NEG NONE NONE NONE HAZY NORML 0.2% 10 164 0 164 0 11 18 4
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.2 NONE NONE NORML >.2 400 200 12 12 12 150 1650 125	2 NEG NONE NONE NORML NORML NEG 4 143 2 <1 3 2 <1 3 25 90 1247 83	0 NEG NONE NONE NORML NORML NEG 2 81 1 2 81 1 5 1 5 5 1 50 523 38	<1 NEG NONE NONE NONE HAZY 0.2% 10 164 0 18 4 167 1407 31
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Malybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.2 NONE NONE NORML >.2 400 200 12 12 12 150 1650	2 NEG NONE NONE NORML NORML NEG 4 143 2 <1 3 25 90 1247	0 NEG NONE NONE NORML NORML NEG 2 81 1 1 5 1 5 1 5 0 523	 <1 NEG NONE NONE NONE HAZY NORML 0.2% 10 164 0 18 4 167 1407

Contact/Location: SCOTT SULLIVAN - MSCDUR



Ferrous Alloys 600 550 cke 500 450 400 350 ظ₃₀₀ 250 200 150 100 50 0 00/96/07 or79/74 Oct8/ Non-ferrous Metals 10 lead mdo 126/23 Viscosity @ 40°C 135 130 125 120 115 110 105 100 cSt (40°C) 95 90 85 80 75 70 65 60 55 50-0ct8/21 Jul26/22 Apr29/24

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 SULLIVAN EASTERN INC :09 May 2024 2860 C SLATER RD : 10 May 2024 MORRISVILLE, NC : 10 May 2024 - Wes Davis US 27560 Contact: SCOTT SULLIVAN ssullivan@sullivaneastern.com

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.

: WC0924605

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

Received

Diagnosed

Tested

Certificate L2367

Laboratory

Sample No.

Lab Number : 06174383

Unique Number : 11020436

Test Package : CONST

Contact/Location: SCOTT SULLIVAN - MSCDUR Page 2 of 2

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