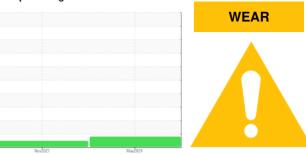


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KENWORTH 3936

Component **Transmission**

DELO SYN-TRANS HD 50 (--- GAL)

DIAGNOSIS

Recommendation

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

The copper level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

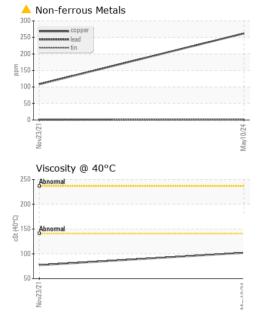
Fluid Condition

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

			NovŽ021	May2024		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
	THON		IIIIII Dasc			1113101 y 2
Sample Number		Client Info		WC0877297	WC0462996	
Sample Date		Client Info		10 May 2024	23 Nov 2021	
Machine Age	mls	Client Info		317695	0	
Oil Age	mls	Client Info		0	0	
Oil Changed		Client Info		N/A	Changed	
Sample Status				ABNORMAL	NORMAL	
CONTAMINATION	J	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	75	140	
Chromium	ppm	ASTM D5185m	>10	<1	2	
Nickel	ppm	ASTM D5185m		<1	0	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>50	4	9	
Lead	ppm	ASTM D5185m	>50	1	<1	
Copper	ppm	ASTM D5185m	>200	^ 262	108	
Tin	ppm	ASTM D5185m	>10	<1	1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		92	255	
Barium	ppm	ASTM D5185m		26	79	
Molybdenum	ppm	ASTM D5185m		19	2	
Manganese	ppm	ASTM D5185m		8	25	
Magnesium	ppm	ASTM D5185m		109	5	
Calcium	ppm	ASTM D5185m		988	64	
	ppiii					
Phosphorus	ppm	ASTM D5185m		1582	958	
Phosphorus Zinc		ASTM D5185m ASTM D5185m		946	958 54	
Phosphorus	ppm	ASTM D5185m			958	
Phosphorus Zinc	ppm	ASTM D5185m ASTM D5185m	limit/base	946	958 54	
Phosphorus Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >50	946 4207	958 54 696	
Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method		946 4207 current	958 54 696 history1	history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m		946 4207 current 4	958 54 696 history1	 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	>50	946 4207 current 4 2	958 54 696 history1 6	 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	>50 >20	946 4207 current 4 2 5	958 54 696 history1 6 8	 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method	>50 >20 limit/base	946 4207 current 4 2 5	958 54 696 history1 6 8 15	history2 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m wethod *Visual	>50 >20 limit/base NONE	946 4207 current 4 2 5 current NONE	958 54 696 history1 6 8 15 history1 NONE	history2 history2 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m wethod *Visual	>50 >20 limit/base NONE NONE	946 4207 current 4 2 5 current NONE NONE	958 54 696 history1 6 8 15 history1 NONE NONE	history2 history2 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m wethod *Visual *Visual *Visual	>50 >20 limit/base NONE NONE NONE	946 4207 current 4 2 5 current NONE NONE NONE	958 54 696 history1 6 8 15 history1 NONE NONE	history2 history2 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm ppm ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual	>50 >20 limit/base NONE NONE NONE NONE	946 4207 current 4 2 5 current NONE NONE NONE	958 54 696 history1 6 8 15 history1 NONE NONE NONE	history2 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>50 >20 limit/base NONE NONE NONE NONE NONE	946 4207 current 4 2 5 current NONE NONE NONE NONE NONE NONE NONE	958 54 696 history1 6 8 15 history1 NONE NONE NONE NONE NONE NONE	history2 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual	>50 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NONE	946 4207 current 4 2 5 current NONE NONE NONE NONE NONE NONE NONE NO	958 54 696 history1 6 8 15 history1 NONE NONE NONE NONE NONE NONE NONE NON	history2 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m wethod *Visual	>50 >20 limit/base NONE	946 4207 current 4 2 5 current NONE NONE NONE NONE NONE NONE NONE NO	958 54 696 history1 6 8 15 history1 NONE NONE NONE NONE NONE NONE NONE NON	history2 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual	>50 >20 limit/base NONE NONE	946 4207 current 4 2 5 current NONE NONE NONE NONE NONE NONE NONE NO	958 958 54 696 history1 6 8 15 history1 NONE NONE NONE NONE NONE NONE NONE NON	history2 history2

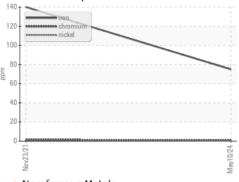


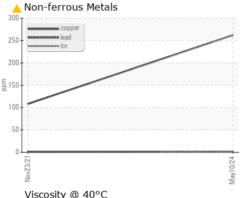
OIL ANALYSIS REPORT

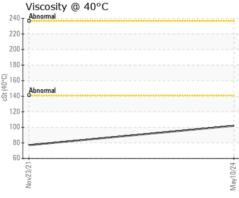


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		102	77.1	
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
GRAPHS					-	

Ferrous Alloys









Certificate 12367

Laboratory

Sample No. Lab Number : 06196086

: WC0877297 Unique Number : 11058209 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 30 May 2024

Tested : 03 Jun 2024 Diagnosed

: 03 Jun 2024 - Sean Felton

LTI/MILKY WAY - MOUNT VERNON 3814 OLD HWY 99 S RD

MOUNT VERNON, WA US 98273

Contact: JOHN VAN WINGERDEN

jvw@lynden.com T: (360)354-2101 F: (360)354-3571

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)