

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KENWORTH 3936

Rear Differential

CHEVRON DELO SYNTHETIC GEAR 75W9

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

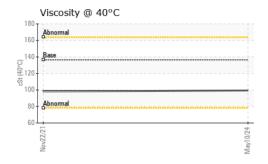
Fluid Condition

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

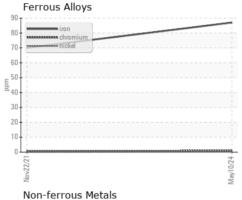
(GAL)			Nov2021	MayŽ024		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0877296	WC0462994	
ample Date		Client Info		10 May 2024	22 Nov 2021	
lachine Age	mls	Client Info		317695	0	
il Age	mls	Client Info		0	0	
Oil Changed		Client Info		N/A	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2
Vater		WC Method	>.2	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
on	ppm	ASTM D5185m	>500	87	70	
hromium	ppm	ASTM D5185m	>10	<1	<1	
lickel	ppm	ASTM D5185m	>10	<1	0	
itanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m		0	0	
luminum	ppm	ASTM D5185m	>25	9	4	
ead	ppm	ASTM D5185m	>25	<1	<1	
Copper	ppm	ASTM D5185m	>100	2	<1	
in	ppm	ASTM D5185m	>10	<1	<1	
anadium	ppm	ASTM D5185m		0	0	
admium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	203	133	215	
arium	ppm	ASTM D5185m	109	<1	0	
lolybdenum	ppm	ASTM D5185m	0.4	3	1	
langanese	ppm	ASTM D5185m		2	2	
		ACTAI DE10E	0	54	74	
/lagnesium	ppm	ASTM D5185m	U	• •	7 4	
•	ppm	ASTM D5185m	33	107	175	
Calcium						
Calcium Phosphorus	ppm	ASTM D5185m	33	107	175	
Magnesium Calcium Phosphorus Kinc Sulfur	ppm	ASTM D5185m ASTM D5185m	33 1352	107 1124	175 1222	
Calcium Phosphorus Cinc	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	33 1352 11	107 1124 74	175 1222 111	
Calcium Phosphorus Cinc Sulfur	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	33 1352 11 21170	107 1124 74 20888	175 1222 111 22600	
Calcium Phosphorus Finc Gulfur CONTAMINANTS	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method	33 1352 11 21170 limit/base	107 1124 74 20888 current	175 1222 111 22600 history1	 history2
Calcium Phosphorus Cinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	33 1352 11 21170 limit/base >75	107 1124 74 20888 current	175 1222 111 22600 history1	 history2
calcium chosphorus inc culfur CONTAMINANTS cilicon codium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	33 1352 11 21170 limit/base >75	107 1124 74 20888 current 31	175 1222 111 22600 history1 11	 history2
calcium chosphorus cinc culfur CONTAMINANTS cilicon codium cotassium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	33 1352 11 21170 limit/base >75 >20	107 1124 74 20888 current 31 5	175 1222 111 22600 history1 11 1	 history2
calcium Phosphorus iinc culfur CONTAMINANTS cilicon codium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	33 1352 11 21170 limit/base >75 >20 limit/base	107 1124 74 20888 current 31 5 5	175 1222 111 22600 history1 11 2 history1	history2
ralcium hosphorus inc ulfur CONTAMINANTS ilicon odium otassium VISUAL Vhite Metal fellow Metal	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method *Visual	33 1352 11 21170 limit/base >75 >20 limit/base NONE	107 1124 74 20888 current 31 5 5 current NONE	175 1222 111 22600 history1 11 1 2 history1 NONE	history2
ralcium hosphorus inc ulfur CONTAMINANTS ilicon odium otassium VISUAL White Metal fellow Metal recipitate	ppm ppm ppm ppm ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m wethod *Visual	33 1352 11 21170 limit/base >75 >20 limit/base NONE NONE	107 1124 74 20888 current 31 5 5 current NONE	175 1222 111 22600 history1 11 1 2 history1 NONE NONE	history2
ralcium hosphorus inc ulfur CONTAMINANTS ilicon odium otassium VISUAL White Metal recipitate ilt	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual	33 1352 11 21170 limit/base >75 >20 limit/base NONE NONE	107 1124 74 20888 current 31 5 5 current NONE NONE	175 1222 111 22600 history1 11 1 2 history1 NONE NONE NONE	history2
alcium hosphorus inc ulfur CONTAMINANTS ilicon odium otassium VISUAL //hite Metal ellow Metal recipitate ilt ebris	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual	33 1352 11 21170 limit/base >75 >20 limit/base NONE NONE NONE	107 1124 74 20888	175 1222 111 22600 history1 11 1 2 history1 NONE NONE NONE NONE	history2 history2 history2
ralcium hosphorus inc ulfur CONTAMINANTS illicon odium ootassium VISUAL White Metal reclipitate ilt rebris and/Dirt	ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual	33 1352 11 21170 limit/base >75 >20 limit/base NONE NONE NONE NONE NONE NONE	107 1124 74 20888	175 1222 111 22600 history1 11 1 2 history1 NONE NONE NONE NONE NONE NONE	history2
calcium chosphorus cinc culfur CONTAMINANTS cilicon codium cotassium VISUAL White Metal cellow Metal crecipitate cilit cebris cand/Dirt cppearance	ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	33 1352 11 21170 limit/base >75 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	107 1124 74 20888	175 1222 111 22600 history1 11 1 2 history1 NONE NONE NONE NONE NONE NONE NONE NON	history2
Calcium Phosphorus Cinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM U5185m Method *Visual *Visual	33 1352 11 21170 limit/base >75 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	107 1124 74 20888 current 31 5 5 current NONE NONE NONE NONE NONE NONE NONE NON	175 1222 111 22600 history1 11 1 2 history1 NONE NONE NONE NONE NONE NONE NONE NON	history2 history2

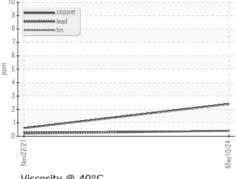


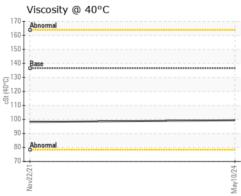
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	136.5	99.4	98.2	
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
0.04.0110					·	











Certificate 12367

Report Id: LTILYN [WUSCAR] 06196073 (Generated: 06/03/2024 21:27:14) Rev: 1

Laboratory Sample No. Lab Number : 06196073 Unique Number : 11058196

: WC0877296

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.

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

3814 OLD HWY 99 S RD MOUNT VERNON, WA US 98273

Contact: JOHN VAN WINGERDEN

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

LTI/MILKY WAY - MOUNT VERNON

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

Contact/Location: JOHN VAN WINGERDEN - LTILYN

F: (360)354-3571