

OIL ANALYSIS REPORT

Sample Rating Trend



FLEET 2126932 Component Transmission Fluid {not provided} (--- GAL)

DIAGNOSIS

A 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

Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material.

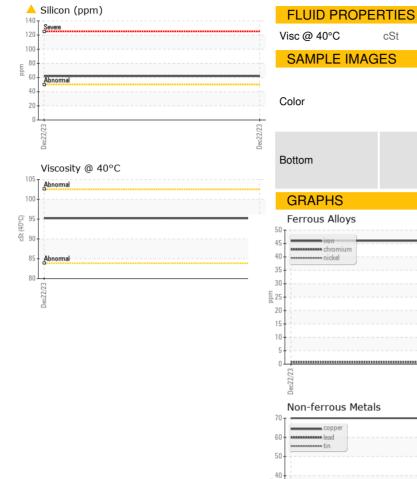
Fluid Condition

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

SAMPLE INFOR		method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0112286		
Sample Date		Client Info		22 Dec 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINA	TION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METAI	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	46		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m		<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>50	3		
Lead	ppm	ASTM D5185m	>50	0		
Copper	ppm	ASTM D5185m	>200	70		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
	ppm ppm	ASTM D5185m ASTM D5185m		0 <1		
Molybdenum						
Molybdenum Manganese	ppm ppm	ASTM D5185m		<1		
Molybdenum Manganese Magnesium	ppm	ASTM D5185m ASTM D5185m		<1 28		
Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		<1 28 2 834		
Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		<1 28 2		
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		<1 28 2 834 706		
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	<1 28 2 834 706 7 4829	 	
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		<1 28 2 834 706 7 4829	 	
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method		<1 28 2 834 706 7 4829 current	 	
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	>50	<1 28 2 834 706 7 4829 current 62	 	
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	>50	<1 28 2 834 706 7 4829 current 62 2	 history1	 history2
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAM Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m method	>50 >20	<1 28 2 834 706 7 4829 current 62 2 <1	 history1 	 history2
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	>50 >20 limit/base	<1 28 2 834 706 7 4829 current 62 2 <1 current	 history1 history1	 history2 history2
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m method	>50 >20 limit/base NONE	<1 28 2 834 706 7 4829 current ▲ 62 2 <1 current NONE	 history1 history1 history1	 history2 history2 history2
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm ppm ppm ppm ppm ppm vTTS ppm ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m Y Usual	>50 >20 limit/base NONE NONE	<1 28 2 834 706 7 4829 current	 history1 history1	 history2 history2 history2
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm ppm ppm ppm ppm ppm vTS ppm ppm ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m Visual *Visual	>50 >20 limit/base NONE NONE NONE	<1 28 2 834 706 7 4829 current	 history1 history1	 history2 history2
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm ppm ppm ppm ppm ppm vTS ppm ppm ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m Visual *Visual *Visual	>50 >20 limit/base NONE NONE NONE NONE	<1 28 2 834 706 7 4829 current 62 2 <1 current NONE NONE NONE NONE NONE NONE	 history1 history1 history1	 history2 history2 history2
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m YUISUAL *VISUAL *VISUAL	>50 >20 limit/base NONE NONE NONE NONE NONE	<1 28 2 834 706 7 4829 current 62 2 <1 current NONE NONE NONE NONE LIGHT	 history1 history1 	 history2 history2 history2
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Visual *Visual *Visual *Visual *Visual *Visual	>50 >20 limit/base NONE NONE NONE NONE NONE	<1 28 2 834 706 7 4829 current 62 2 <1 current NONE NONE NONE NONE LIGHT NONE NONE	 history1 history1 history1 	 history2 history2 history2
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>50 >20 Iimit/base NONE NONE NONE NONE NONE NONE NONE	<1 28 2 834 706 7 4829 current 62 2 <1 current NONE NONE NONE NONE LIGHT NONE NONE NONE NONE NONE	 history1 history1 	 history2 history2 history2
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>50 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NONE	<1 28 2 834 706 7 4829 current	 history1 history1 	 history2 history2 history2



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	FLUID PROF	PERTIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445		95.2		
	SAMPLE IMA	GES	method	limit/base	current	history1	history2
	Color				no image	no image	no image
Dec22/23							
Dec	Bottom				no image	no image	no image
	GRAPHS						
	Ferrous Alloys						
	45 - iron iron						
	40 - nickel						
	30						
200	25						
	20						
	10						
	5						
	Dec22/23			Dec22/23			
				Dec			
	Non-ferrous Me	tals					
	60 - copper lead						
	50						
	40						
100	30						
	20 -						
	10						
	0						
	Dec22/23			Dec22/23			
	ے Viscosity @ 40°	С		D			
	104 Abnormal						
	102						
	98						
cSt (40°C)	96						
cSt (4							
	90						
	86 - Abnormal						
	82						
	Dec22/23			Dec22/23			
	ă			Ď			
ratory	: WearCheck USA				3		
ole No. Number	: PCA0112286 : 06058488	Recieved Diagnos		an 2024 an 2024		2047	7 HWY 9 WES DILLON, S
e Number	: 10829870	Diagnost		Baldridge			US 2953
Package	: FLEET	nuico at 1 G	00 227 1200				KEVIN HOOK
le report, c	ontact Customer Se	rvice at 1-8	100-237-1369				s@perdue.co



To discuss this sample rep * - 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)

F: (843)841-8070

Certificate L2367

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T: (843)841-8069