

Machine Id **NOT GIVEN PCA0123182 (S/N NO INFO GIVEN)** Component **Hydraulic System** Fluid **AW HYDRAULIC OIL ISO 32 (--- GAL)**

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 32. Please confirm.

WEAR

All component wear rates are normal.

CONTAMINATION

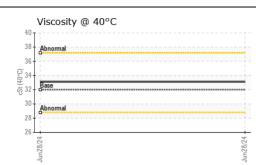
There is no indication of any contamination in the oil.

FLUID CONDITION

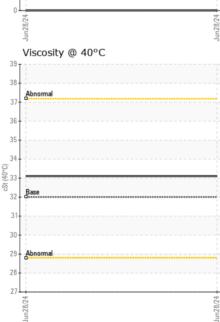
The condition of the oil is acceptable for the time in service.

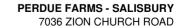
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0123182		
Sample Date		Client Info		28 Jun 2024		
Machine Age	mls	Client Info		20000		
Oil Age	mls	Client Info		0		
Filter Age	mls	Client Info		0		
Oil Changed		Client Info		Not Changd		
Filter Changed		Client Info		Not Changd		
Sample Status				NORMAL		
				•		
Iron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		1		
Silver	ppm	ASTM D5185m	. 00	0		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	0		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m	NONE	0		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>15	NONE		
Silicon	ppm	ASTM D5185m	>15	<1		
Silicon Potassium	ppm	ASTM D5185m ASTM D5185m	>15 >20	<1 0		
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>15 >20 >0.05	<1 0 NEG		
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>15 >20 >0.05 NONE	<1 0 NEG NONE		
Silicon Potassium Water Silt Debris	ppm ppm scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>15 >20 >0.05 NONE NONE	<1 0 NEG NONE NONE		
Silicon Potassium Water Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>15 >20 >0.05 NONE NONE NONE	<1 0 NEG NONE NONE NONE		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance	ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>15 >20 >0.05 NONE NONE NONE NORML	<1 0 NEG NONE NONE NONE NORML		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>15 >20 >0.05 NONE NONE NONE NORML	<1 0 NEG NONE NONE NORE NORML NEG		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>15 >20 >0.05 NONE NORE NORML NORML >0.05	<1 0 NEG NONE NONE NORML NORML NEG 1		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>15 >20 >0.05 NONE NONE NORML >0.05	<1 0 NEG NONE NONE NORML NORML NEG 1 0		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>15 >20 >0.05 NONE NONE NORML NORML >0.05	<1 0 NEG NONE NONE NORML NORML NEG 1 0 0		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>15 >20 >0.05 NONE NONE NORML >0.05	<1 0 NEG NONE NONE NORML NORML NEG 1 0 0 2		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm ppm scalar scalar scalar scalar scalar gpm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>15 >20 >0.05 NONE NONE NORML >0.05 5 5 5	<1 0 NEG NONE NONE NORML NORML NEG 1 0 0 2 2 <1		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>15 >20 >0.05 NONE NONE NORML NORML >0.05 5 5 5 5 25	<1 0 NEG NONE NONE NORML NORML NEG 1 0 0 2 <1 28		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>15 >20 >0.05 NONE NORM NORM >0.05 5 5 5 5 2 200	<1 0 NEG NONE NONE NORML NORML NEG 1 0 0 2 <1 28 142		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>15 >20 >0.05 NONE NONE NORML >0.05 5 5 5 2 2 2 2 0 2 0 2 0 2 0 2 0 0 3 0 0	<1 0 NEG NONE NONE NORML NORML NEG 1 0 0 2 <1 28 <1 28 142 376		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>15 >20 >0.05 NONE NONE NORML >0.05 5 5 5 5 5 2 2 2 0 0 300 370	<1 0 NEG NONE NONE NORML NORML NEG 1 0 2 <1 28 142 376 478		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>15 >20 >0.05 NONE NONE NORML >0.05 5 5 5 2 2 2 2 0 2 0 2 0 2 0 2 0 0 3 0 0	<1 0 NEG NONE NONE NORML NORML NEG 1 0 0 2 <1 28 <1 28 142 376		

Contact/Location: RICHARD O`NEAL - PERSALMD



Ferrous Alloys 10 mdd 0 Non-ferrous Metals 10 lead mdo Viscosity @ 40°C 39





SALISBURY, MD



 Unique Number
 : 11117192
 Diagnosed
 : 12 Jul 2024 - Wes Davis
 US 21802

 Certificate L2367
 Test Package
 : FLEET
 Contact: RICHARD O`NEAL

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 richard.oneal@perdue.com

 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 T: (410)543-3628

 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)
 F: (410)341-2164

Received

Tested

: 11 Jul 2024

: 12 Jul 2024

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Laboratory

Sample No.

Lab Number : 06233699

: PCA0123182

Contact/Location: RICHARD O`NEAL - PERSALMD Page 2 of 2