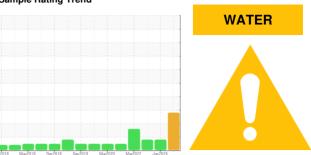


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

PL2 WEST CV LOWER (S/N 5585259)

Pump

USPI VAC 100 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. There is a light concentration of water present in the oil.

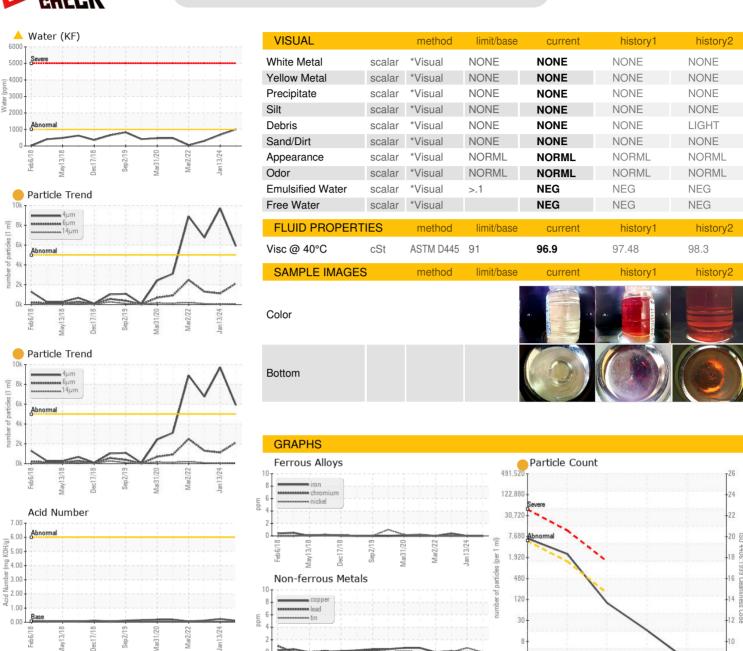
Fluid Condition

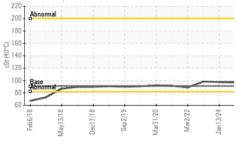
The AN level is acceptable for this fluid.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM36474	USPM30744	USPM26888
Sample Date		Client Info		04 Jun 2024	13 Jan 2024	22 Mar 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ATTENTION	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	0	0	<1
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>7	0	0	<1
Lead	ppm	ASTM D5185m	>12	0	0	0
Copper	ppm	ASTM D5185m	>30	0	0	<1
Tin	ppm	ASTM D5185m	>9	0	<1	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	0	<1	<1	<1
Calcium	ppm	ASTM D5185m	0	0	2	<1
Phosphorus	ppm	ASTM D5185m	1800	893	986	1282
Zinc	ppm	ASTM D5185m	0	1	0	5
Sulfur	ppm	ASTM D5185m	0	5	27	25
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	<1	4	2
Sodium	ppm	ASTM D5185m		0	1	0
Potassium	ppm	ASTM D5185m		0	0	<1
Water	%	ASTM D6304	>.1	<u> </u>	0.067	0.031
ppm Water	ppm	ASTM D6304	>1000	<u> </u>	679	310.1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	5896	9722	6749
Particles >6µm		ASTM D7647	>1300	<u>2133</u>	1123	1299
Particles >14μm		ASTM D7647	>160	85	34	80
Particles >21µm		ASTM D7647	>40	14	10	25
Particles >38μm		ASTM D7647	>10	2	3	1
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/18/14	20/17/12	20/17/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT





Viscosity @ 40°C

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : USPM36474 Received : 05 Jun 2024

Lab Number : 06200182 Tested : 10 Jun 2024 Unique Number : 11062305 Diagnosed : 10 Jun 2024 - Angela Borella Test Package : IND 2

Jan 13/24

Jan 13/24

Acid Number

00.8 (mg KOH/g) 00.9 4.00

틀 2.00

0.00 G

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Viscosity @ 40°C

250

200 £ 150

100

 st - 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)

Certificate 12367

ARMOUR - ECKRICH (SMITHFIELD FOODS SMISAIILL)

US

T:

F:

Contact:

SAINT CHARLES, IL