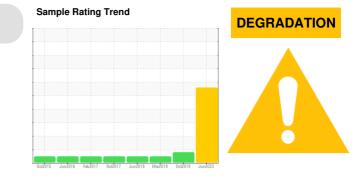
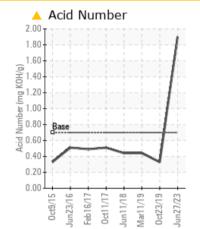


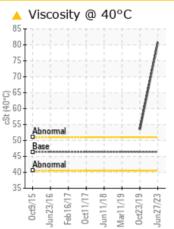
# **PROBLEM SUMMARY**

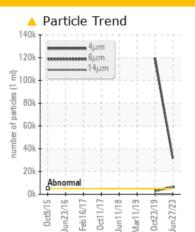


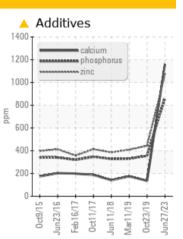
Machine Id **3537** Component **Hydraulic System** Fluid **PETRO CANADA HYDREX AW 46 (45 GAL)** 

# COMPONENT CONDITION SUMMARY









# RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

# PROBLEMATIC TEST RESULTS

THODELWATK		HESOLI	0			
Sample Status				ABNORMAL	ABNORMAL	NORMAL
Boron	ppm	ASTM D5185m	0	<u> </u>	12	10
Molybdenum	ppm	ASTM D5185m	0	<u> </u>	4	8
Magnesium	ppm	ASTM D5185m	0	<u> </u>	18	15
Calcium	ppm	ASTM D5185m	50	🔺 1159	136	175
Phosphorus	ppm	ASTM D5185m	330	<u> </u>	355	330
Zinc	ppm	ASTM D5185m	430	<u> </u>	443	409
Sulfur	ppm	ASTM D5185m	760	<b>A</b> 3445	372	
Particles >4µm		ASTM D7647	>5000	<b>A</b> 31479	🔺 119724	
Particles >6µm		ASTM D7647	>1300	<u> </u>	<u> </u>	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>A</b> 22/20/13	🔺 24/19/12	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.70	<u> </u>	0.329	0.44
Visc @ 40°C	cSt	ASTM D445	46.4	<mark>  80.8</mark>	53.4	

Customer Id: GFL102 Sample No.: GFL0073268 Lab Number: 05885564 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Angela Borella +1 800-237-1369 angela.borella@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDE	D ACTIONS					
Action	Status	Date	Done By	Description		
Change Fluid			?	Oil and filter change at the time of sampling has been noted.		
Change Filter			?	Oil and filter change at the time of sampling has been noted.		

# HISTORICAL DIAGNOSIS



# 23 Oct 2019 Diag: Jonathan Hester

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report

### 11 Mar 2019 Diag: Wes Davis



 $\checkmark$ 

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is ISO 680 AW Hydraulic Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

#### 11 Jun 2018 Diag: Wes Davis





Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is ISO 680 AW Hydraulic Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

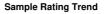






# **OIL ANALYSIS REPORT**

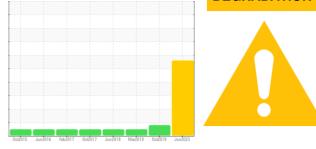
SAMPLE INFORMATION method



limit/base



history 2



history 1

current

Hydraulic System Fluid PETRO CANADA HYDREX AW 46 (45 GAL)

### DIAGNOSIS

Machine Id 3537 Component

### A Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

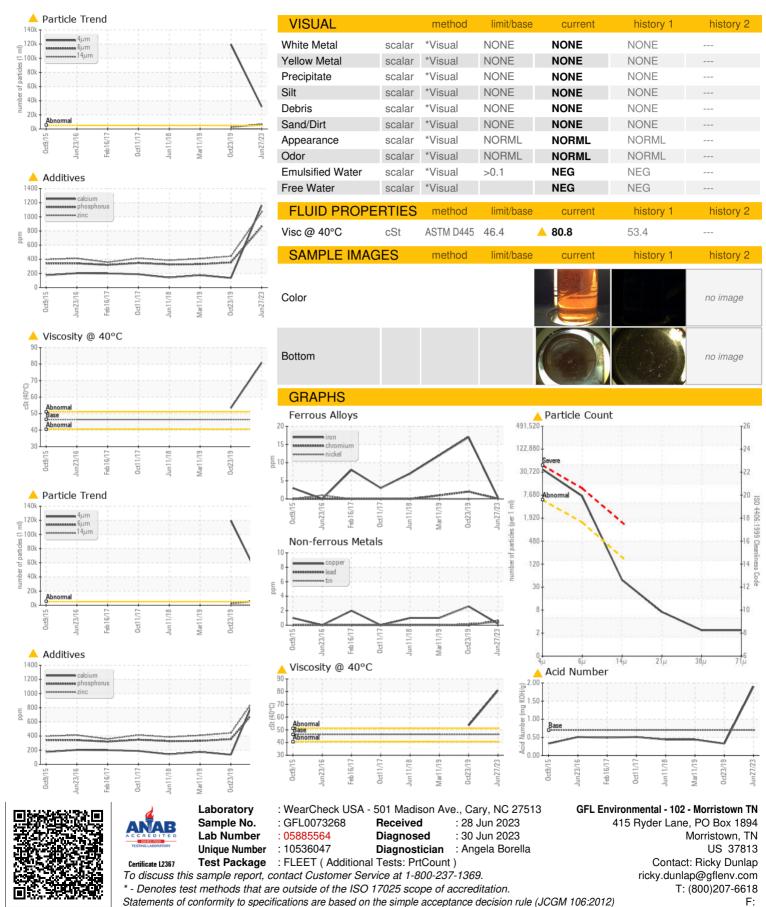
#### Fluid Condition

The oil viscosity is higher than normal. The AN level is above the recommended limit. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

Sample Date    Client Info    27 Jun 2023    23 Oct 2019    11 Mar 201      Machine Age    hrs    Client Info    600    14262    12731      Oil Age    hrs    Client Info    600    1200    4799      Oil Changed    Client Info    Changed    Not Chang    Not Chang    Not Chang      Sample Status    Imitibase    current    history 1    history 1    history      Iron    ppm    ASTM D5185m    >20    <1    17    12      Chromium    ppm    ASTM D5185m    >10    <1    0    0      Tataium    ppm    ASTM D5185m    >10    <1    0    0      Aluminum    ppm    ASTM D5185m    >10    <1    0    0      Copper    ppm    ASTM D5185m    >10    <1    0    0      Cadmium    ppm    ASTM D5185m    10    <1    0    0      Cadmium    ppm    ASTM D5185m    0    <1    0    0							
Machine Age    hrs    Client Info    600    14262    12731      Oil Age    hrs    Client Info    600    1200    4799      Oil Changed    Client Info    Changed    Not Changd    Not Changd	Sample Number		Client Info		GFL0073268	GFL0001226	GFLI-414978
Oil Age    hrs    Client Info    600    1200    4799      Oil Changed    Client Info    Changed    Not Changd    Not Changd      Sample Status    Imitbase    current    history 1    history 1      Iron    ppm    ASTM D5185m    >20    <1    17    12      Chromium    ppm    ASTM D5185m    >10    <1    2    1      Nickel    ppm    ASTM D5185m    >10    <1    0    0      Aluminum    ppm    ASTM D5185m    >10    <1    0    0      Aluminum    ppm    ASTM D5185m    >10    <1    0    0      Copper    ppm    ASTM D5185m    >10    <1    <1    0      Antimony    ppm    ASTM D5185m    0    <1    0    0      Adminum    ppm    ASTM D5185m    0    <1    0    0      Cademium    ppm    ASTM D5185m    0    <1    0    0							
Oli Changed Sample Status    Client Info    Changed ABNORMAL    Not Changd ABNORMAL    Not Changd NORMAL      WEAR METALS    method    limit/base    current    history 1    nistory 1      WEAR METALS    method    limit/base    current    history 1    nistory 1      Iron    ppm    ASTM D5185m    >20    <1	0						
Sample Status    method    Imit/base    current    history1    NORMAL      WEAR METALS    method    limit/base    current    history1    history1      Iron    ppm    ASTM D5185m    >20    <1    17    12      Chromium    ppm    ASTM D5185m    >10    <1    0    0      Nickel    ppm    ASTM D5185m    >10    <1    0    0      Silver    ppm    ASTM D5185m    >10    <1    0    0      Auminum    ppm    ASTM D5185m    >10    <1    0    0      Copper    ppm    ASTM D5185m    >10    <1    <1    0      Cadmium    ppm    ASTM D5185m    0    <1    0    0      Cadmium    ppm    ASTM D5185m    0    <1    0    0      ADDITIVES    method    Imit/base    current    history1    history1      Barium    ppm    ASTM D5185m    0    <10    0 </th <th>-</th> <th>hrs</th> <th></th> <th></th> <th></th> <th></th> <th></th>	-	hrs					
WEAR METALS    method    limit/base    current    history 1    history 1      Iron    ppm    ASTM D5185m    >20    <1    17    12      Chromium    ppm    ASTM D5185m    >10    <1    2    1      Nickel    ppm    ASTM D5185m    >10    <1    0    0      Aluminum    ppm    ASTM D5185m    >10    0    2    1      Lead    ppm    ASTM D5185m    >10    <1    0    0      Copper    ppm    ASTM D5185m    >10    <1    <1    0      Antimony    ppm    ASTM D5185m    0    <1    0    0      Antimony    ppm    ASTM D5185m    0    <1    0    0      Antimony    ppm    ASTM D5185m    0    <10    0    0      Antimony    ppm    ASTM D5185m    0    <10    0    0      Barium    ppm    ASTM D5185m    0    <100    0 <th></th> <th></th> <th>Client Info</th> <th></th> <th>-</th> <th></th> <th></th>			Client Info		-		
Iron    ppm    ASTM D5185m    >20    <1	Sample Status				ABNORMAL	ABNORMAL	NORMAL
Chromium    ppm    ASTM D5185m    >10    <1	WEAR METAL	.S	method	limit/base	current	history 1	history 2
Nickel    ppm    ASTM D5185m    >10    <1    0    0      Titanium    ppm    ASTM D5185m    0    0    0    0      Silver    ppm    ASTM D5185m    >10    0    2    1      Lead    ppm    ASTM D5185m    >10    <1	-	ppm	ASTM D5185m				
Titanium    ppm    ASTM D5185m    <1    <1    <1    0      Silver    ppm    ASTM D5185m    >10    0    2    1      Lead    ppm    ASTM D5185m    >10    <1	Chromium	ppm	ASTM D5185m	>10		2	1
Silver    ppm    ASTM D5185m    >10    0    0    0      Aluminum    ppm    ASTM D5185m    >10    <1	Nickel	ppm	ASTM D5185m	>10	<1	0	0
Aluminum    ppm    ASTM D5185m    >10    0    2    1      Lead    ppm    ASTM D5185m    >10    <1	Titanium	ppm	ASTM D5185m		<1	<1	0
Lead    ppm    ASTM D5185m    >10    <1    0    0      Copper    ppm    ASTM D5185m    >75    <1	Silver	ppm	ASTM D5185m		0	0	0
Copper    ppm    ASTM D5185m    >75    <1    3    1      Tin    ppm    ASTM D5185m    >10    <1	Aluminum	ppm	ASTM D5185m	>10	0	2	1
Tin    ppm    ASTM D5185m    >10    <1    <1    0      Antimony    ppm    ASTM D5185m    0    0    0      Vanadium    ppm    ASTM D5185m    0    0    0      ADDITIVES    method    limit/base    current    history 1    history 1      Boron    ppm    ASTM D5185m    0    4    68    12    10      Barium    ppm    ASTM D5185m    0    <1	Lead	ppm	ASTM D5185m	>10	<1	0	0
Antimony    ppm    ASTM D5185m     0    0      Vanadium    ppm    ASTM D5185m    0    0    0      Cadmium    ppm    ASTM D5185m    0    0    0      ADDITIVES    method    limit/base    current    history 1    history      Boron    ppm    ASTM D5185m    0    <1	Copper	ppm	ASTM D5185m	>75	<1	3	1
Vanadium    ppm    ASTM D5185m    0    0    0      Cadmium    ppm    ASTM D5185m    <1    0    0      ADDITIVES    method    limit/base    current    history 1    history      Boron    ppm    ASTM D5185m    0    4    68    12    10      Barium    ppm    ASTM D5185m    0    <1    0    0      Manganese    ppm    ASTM D5185m    0    <1    <1    0      Magnesium    ppm    ASTM D5185m    0    <135    18    15      Calcium    ppm    ASTM D5185m    0    <1159    136    175      Phosphorus    ppm    ASTM D5185m    50    1159    136    175      Sulfur    ppm    ASTM D5185m    50    430    1067    443    409      Sulfur    ppm    ASTM D5185m    >20    7    3    2      Sodium    ppm    ASTM D5185m    >20    3	Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium    ppm    ASTM D5185m    0    0    0      Cadmium    ppm    ASTM D5185m    <<1	Antimony	ppm	ASTM D5185m			0	0
Cadmium    ppm    ASTM D5185m    <1    0    0      ADDITIVES    method    limit/base    current    history 1    history      Boron    ppm    ASTM D5185m    0    ▲ 68    12    10      Barium    ppm    ASTM D5185m    0    <1		ppm	ASTM D5185m		0	0	0
Boron    ppm    ASTM D5185m    0    ▲ 68    12    10      Barium    ppm    ASTM D5185m    0    <1	Cadmium		ASTM D5185m		<1	0	0
Barium    ppm    ASTM D5185m    0    <1	ADDITIVES		method	limit/base	current	history 1	history 2
Molybdenum    ppm    ASTM D5185m    0    ▲ 100    4    8      Manganese    ppm    ASTM D5185m    0    <1	Boron	ppm	ASTM D5185m	0	<b>6</b> 8	12	10
Manganese  ppm  ASTM D5185m  0  <1	Barium	ppm	ASTM D5185m	0	<1	0	0
Magnesium  ppm  ASTM D5185m  0  ▲ 735  18  15    Calcium  ppm  ASTM D5185m  50  ▲ 1159  136  175    Phosphorus  ppm  ASTM D5185m  330  ▲ 863  355  330    Zinc  ppm  ASTM D5185m  430  ▲ 1067  443  409    Sulfur  ppm  ASTM D5185m  760  ▲ 3445  372     Lithium  ppm  ASTM D5185m  760  ▲ 3445  372     Solicon  ppm  ASTM D5185m  760  ▲ 3445  372     Solicon  ppm  ASTM D5185m  >20  7  3  2    Sodium  ppm  ASTM D5185m  >20  7  3  2    Sodium  ppm  ASTM D5185m  >20  3  4  0    FLUID CLEANLINESS  method  limit/base  current  history 1  history    Particles >4µm  ASTM D7647  >5000  ▲ 31479  ▲ 119724     Particles >54µm  ASTM D7647	Molybdenum	ppm	ASTM D5185m	0	<u> </u>	4	8
Calcium  ppm  ASTM D5185m  50  ▲ 1159  136  175    Phosphorus  ppm  ASTM D5185m  330  ▲ 863  355  330    Zinc  ppm  ASTM D5185m  430  ▲ 1067  443  409    Sulfur  ppm  ASTM D5185m  760  ▲ 3445  372     Lithium  ppm  ASTM D5185m  760  ▲ 3445  372     Solifur  ppm  ASTM D5185m  760  ▲ 3445  372     Lithium  ppm  ASTM D5185m    0    CONTAMINANTS  method  limit/base  current  history 1  history    Silicon  ppm  ASTM D5185m  >20  7  3  2  6    Potassium  ppm  ASTM D5185m  >20  3  4  0  0    FLUID CLEANLINESS  method  limit/base  current  history 1  history    Particles >4µm  ASTM D7647  >5000  ▲ 31479  119724     Particles >14µm	Manganese	ppm	ASTM D5185m	0	<1	<1	0
Phosphorus  ppm  ASTM D5185m  330  ▲ 863  355  330    Zinc  ppm  ASTM D5185m  430  ▲ 1067  443  409    Sulfur  ppm  ASTM D5185m  760  ▲ 3445  372     Lithium  ppm  ASTM D5185m  760  ▲ 3445  372     Soliton  ppm  ASTM D5185m  760  ▲ 3445  372     Soliton  ppm  ASTM D5185m  760  ▲ 3445  372     Soliton  ppm  ASTM D5185m    0  0    CONTAMINANTS  method  limit/base  current  history 1  history    Soliton  ppm  ASTM D5185m  >20  7  3  2    Sodium  ppm  ASTM D5185m  >20  7  3  2    Soliton  ppm  ASTM D5185m  >20  3  4  0    FLUID CLEANLINESS  method  limit/base  current  history 1  history    Particles >6µm  ASTM D76	Magnesium	ppm	ASTM D5185m	0	<b>A</b> 735	18	15
Zinc  ppm  ASTM D5185m  430  ▲ 1067  443  409    Sulfur  ppm  ASTM D5185m  760  ▲ 3445  372     Lithium  ppm  ASTM D5185m  760  ▲ 3445  372     Lithium  ppm  ASTM D5185m    0    CONTAMINANTS  method  limit/base  current  history 1  history    Silicon  ppm  ASTM D5185m  >20  7  3  2    Sodium  ppm  ASTM D5185m  >20  3  4  0    FLUID CLEANLINESS  method  limit/base  current  history 1  history    Particles >4µm  ASTM D7647  >5000  ▲ 31479  119724     Particles >6µm  ASTM D7647  >1300  ▲ 6244  ▲ 2990     Particles >4µm  ASTM D7647  >160  41  34     Particles >21µm  ASTM D7647  >10  2  0     Particles >71µm  ASTM D7647  3  2  0	Calcium	ppm	ASTM D5185m	50	<u> </u>	136	175
Sulfur  ppm  ASTM D5185m  760  3445  372     Lithium  ppm  ASTM D5185m  760  3445  372   0    CONTAMINANTS  method  limit/base  current  history 1  history 1  history    Silicon  ppm  ASTM D5185m  >20  7  3  2  6    Sodium  ppm  ASTM D5185m  >20  7  3  2  6    Potassium  ppm  ASTM D5185m  >20  3  4  0    FLUID CLEANLINESS  method  limit/base  current  history 1  history    Particles >4µm  ASTM D7647  >5000  31479  119724     Particles >6µm  ASTM D7647  >1300  6244  2990     Particles >1µm  ASTM D7647  >100  2  0     Particles >38µm  ASTM D7647  >3  2  0     Particles >71µm  ASTM D7647  >3  2  0     Particles >71µm  ASTM	Phosphorus	ppm	ASTM D5185m	330	<b>A</b> 863	355	330
LithiumppmASTM D5185m0CONTAMINANTSmethodlimit/basecurrenthistory 1historySiliconppmASTM D5185m>20732SodiumppmASTM D5185m256PotassiumppmASTM D5185m>20340FLUID CLEANLINESSmethodlimit/basecurrenthistory 1historyParticles >4µmASTM D7647>500031479119724Particles >6µmASTM D7647>130062442990Particles >14µmASTM D7647>1604134Particles >21µmASTM D7647>1020Particles >38µmASTM D7647>320Particles >71µmASTM D7647>320Oil CleanlinessISO 4406 (c)>19/17/1422/20/1324/19/12FLUID DEGRADATIONmethodlimit/basecurrenthistory 1history 1	Zinc	ppm	ASTM D5185m	430	<u> </u>	443	409
LithiumppmASTM D5185m0CONTAMINANTSmethodlimit/basecurrenthistory 1historySiliconppmASTM D5185m>20732SodiumppmASTM D5185m20732PotassiumppmASTM D5185m>20340FLUID CLEANLINESSmethodlimit/basecurrenthistory 1historyParticles >4µmASTM D7647>500031479119724Particles >6µmASTM D7647>130062442990Particles >14µmASTM D7647>1604134Particles >21µmASTM D7647>4067Particles >38µmASTM D7647>320Particles >71µmASTM D7647>320Oil CleanlinessISO 4406 (c)>19/17/1422/20/1324/19/12FLUID DEGRADATIONmethodlimit/basecurrenthistory 1history 1	Sulfur	ppm	ASTM D5185m	760	<b>A</b> 3445	372	
Silicon  ppm  ASTM D5185m  >20  7  3  2    Sodium  ppm  ASTM D5185m  20  3  4  0    Potassium  ppm  ASTM D5185m  >20  3  4  0    FLUID CLEANLINESS  method  limit/base  current  history  1  history    Particles >4µm  ASTM D7647  >5000  ▲  31479  ▲  119724     Particles >6µm  ASTM D7647  >1300  ▲  6244  ▲  2990     Particles >6µm  ASTM D7647  >160  41  34     Particles >14µm  ASTM D7647  >40  6  7     Particles >21µm  ASTM D7647  >10  2  0     Particles >38µm  ASTM D7647  >3  2  0     Particles >71µm  ASTM D7647  >3  2  0     Oil Cleanliness  ISO 4406 (c)  >19/17/14  22/20/13  24/19/12     FLUID DEGRADATION  method  limit/ba	Lithium		ASTM D5185m				0
Sodium    ppm    ASTM D5185m    2    5    6      Potassium    ppm    ASTM D5185m    >20    3    4    0      FLUID CLEANLINESS    method    limit/base    current    history 1    history      Particles >4µm    ASTM D7647    >5000    ▲ 31479    ▲ 119724       Particles >6µm    ASTM D7647    >1300    ▲ 6244    ▲ 2990       Particles >14µm    ASTM D7647    >160    41    34       Particles >21µm    ASTM D7647    >40    6    7       Particles >21µm    ASTM D7647    >10    2    0       Particles >38µm    ASTM D7647    >3    2    0       Particles >71µm    ASTM D7647    >3    2    0       Oil Cleanliness    ISO 4406 (c)    >19/17/14    22/20/13    24/19/12       FLUID DEGRADATION    method    limit/base    current    history 1    history	CONTAMINAN	ITS	method	limit/base	current	history 1	history 2
Potassium    ppm    ASTM D5185m    >20    3    4    0      FLUID CLEANLINESS    method    limit/base    current    history 1    history      Particles >4µm    ASTM D7647    >5000    31479    119724       Particles >6µm    ASTM D7647    >1300    6244    2990       Particles >6µm    ASTM D7647    >160    41    34       Particles >14µm    ASTM D7647    >40    6    7       Particles >21µm    ASTM D7647    >10    2    0       Particles >38µm    ASTM D7647    >3    2    0       Particles >71µm    ASTM D7647    >3    2    0       Oil Cleanliness    ISO 4406 (c)    >19/17/14    22/20/13    24/19/12       FLUID DEGRADATION    method    limit/base    current    history 1    history	Silicon	ppm	ASTM D5185m	>20	7	3	2
FLUID CLEANLINESS  method  limit/base  current  history 1  history    Particles >4µm  ASTM D7647  >5000  ▲ 31479  ▲ 119724     Particles >6µm  ASTM D7647  >1300  ▲ 6244  ▲ 2990     Particles >6µm  ASTM D7647  >160  41  34     Particles >14µm  ASTM D7647  >40  6  7     Particles >21µm  ASTM D7647  >40  6  7     Particles >38µm  ASTM D7647  >10  2  0     Particles >71µm  ASTM D7647  >3  2  0     Oil Cleanliness  ISO 4406 (c)  >19/17/14  22/20/13  24/19/12	Sodium	ppm	ASTM D5185m		2	5	6
Particles >4µm  ASTM D7647  >5000  ▲ 31479  ▲ 119724     Particles >6µm  ASTM D7647  >1300  ▲ 6244  ▲ 2990     Particles >14µm  ASTM D7647  >160  41  34     Particles >21µm  ASTM D7647  >40  6  7     Particles >21µm  ASTM D7647  >10  2  0     Particles >38µm  ASTM D7647  >10  2  0     Particles >71µm  ASTM D7647  >3  2  0     Oil Cleanliness  ISO 4406 (c)  >19/17/14  22/20/13  24/19/12     FLUID DEGRADATION  method  limit/base  current  history 1  history	Potassium	ppm	ASTM D5185m	>20	3	4	0
Particles >6µm  ASTM D7647  >1300  6244  2990     Particles >14µm  ASTM D7647  >160  41  34     Particles >21µm  ASTM D7647  >40  6  7     Particles >21µm  ASTM D7647  >40  6  7     Particles >38µm  ASTM D7647  >10  2  0     Particles >71µm  ASTM D7647  >3  2  0     Oil Cleanliness  ISO 4406 (c)  >19/17/14  22/20/13  24/19/12     FLUID DEGRADATION  method  limit/base  current  history 1  history	FLUID CLEANI	LINESS	method	limit/base	current	history 1	history 2
Particles >14µm  ASTM D7647  >160  41  34     Particles >21µm  ASTM D7647  >40  6  7     Particles >38µm  ASTM D7647  >10  2  0     Particles >38µm  ASTM D7647  >3  2  0     Particles >71µm  ASTM D7647  >3  2  0     Oil Cleanliness  ISO 4406 (c)  >19/17/14  22/20/13  24/19/12     FLUID DEGRADATION  method  limit/base  current  history 1  history	Particles >4µm		ASTM D7647	>5000	<b>A</b> 31479	▲ 119724	
Particles >21µm    ASTM D7647    >40    6    7       Particles >38µm    ASTM D7647    >10    2    0       Particles >38µm    ASTM D7647    >3    2    0       Particles >71µm    ASTM D7647    >3    2    0       Oil Cleanliness    ISO 4406 (c)    >19/17/14    22/20/13    24/19/12       FLUID DEGRADATION    method    limit/base    current    history 1    history	Particles >6µm		ASTM D7647	>1300	<u> </u>	<u> </u>	
Particles >38μm    ASTM D7647    >10    2    0       Particles >71μm    ASTM D7647    >3    2    0       Oil Cleanliness    ISO 4406 (c)    >19/17/14    22/20/13    24/19/12       FLUID DEGRADATION    method    limit/base    current    history 1    history	Particles >14µm		ASTM D7647	>160	41	34	
Particles >71μm    ASTM D7647    >3    2    0       Oil Cleanliness    ISO 4406 (c)    >19/17/14    22/20/13    24/19/12       FLUID DEGRADATION    method    limit/base    current    history    history	Particles >21µm		ASTM D7647	>40	6	7	
Oil Cleanliness  ISO 4406 (c)  >19/17/14  ▲ 22/20/13  ▲ 24/19/12     FLUID DEGRADATION  method  limit/base  current  history  1  history	Particles >38µm		ASTM D7647	>10	2	0	
FLUID DEGRADATION method limit/base current history 1 history	Particles >71µm		ASTM D7647	>3	2	0	
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>A</b> 22/20/13	▲ 24/19/12	
Acid Number (AN)    mg KOH/g    ASTM D8045    0.70    ▲    1.90    0.329    0.44	FLUID DEGRA		method	limit/base	current	history 1	history 2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.70	<b>1.90</b>	0.329	0.44
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# **OIL ANALYSIS REPORT**



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